

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091618\
 Data File : VU026817.D
 Acq On : 17 Sep 2018 11:51
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 15:46:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091618WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 07:09:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	120917	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	102179	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52456	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	40966	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.68	69	36430	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.28	63	82907	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.60%
20) 2-Butanone-d5	4.21	46	102567	50.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.20%
24) Chloroform-d	4.65	84	77281	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.31	65	39929	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.34	84	153550	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.33	67	49255	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.57	98	141486	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	7.85	79	17305	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.32	63	67177	49.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	38751	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	49968	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	67258	5.143	ug/L	100
3) Chloromethane	1.33	50	69051	5.339	ug/L	99
5) Vinyl chloride	1.40	62	67765	5.107	ug/L	98
6) Bromomethane	1.63	94	29013	4.398	ug/L	99
8) Chloroethane	1.70	64	42189	5.032	ug/L	95
9) Trichlorofluoromethane	1.89	101	85749	5.178	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	49770	5.205	ug/L	99
12) 1,1-Dichloroethene	2.29	96	46205	5.128	ug/L	96
13) Acetone	2.34	43	86851	48.190	ug/L	99
14) Carbon disulfide	2.48	76	166109	5.300	ug/L	99
15) Methyl Acetate	2.63	43	24111	5.100	ug/L	96
16) Methylene chloride	2.70	84	54059	4.935	ug/L	98
17) Methyl tert-butyl Ether	3.01	73	111128	5.105	ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	51211	5.175	ug/L	98
19) 1,1-Dichloroethane	3.45	63	96049	5.202	ug/L	99
21) 2-Butanone	4.30	43	147976	49.694	ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	55889	5.224	ug/L	94

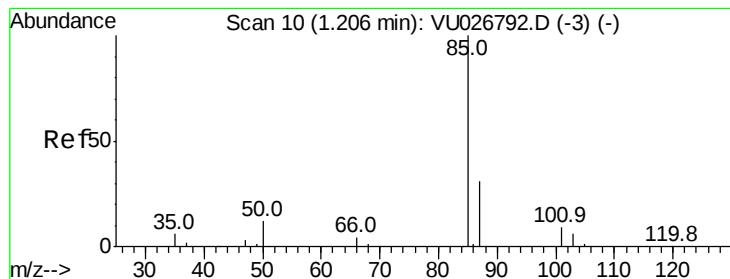
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091618\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	23992	5.269	ug/L	97
25) Chloroform	4.68	83	93167	5.234	ug/L	98
27) 1,2-Dichloroethane	5.41	62	60526	5.280	ug/L	100
29) 1,1,1-Trichloroethane	4.92	97	79705	5.418	ug/L	100
30) Cyclohexane	4.99	56	86761	5.233	ug/L	98
31) Carbon tetrachloride	5.13	117	69991	5.408	ug/L	100
33) Benzene	5.39	78	206318	5.398	ug/L	100
34) Trichloroethene	6.18	95	52071	5.343	ug/L	99
35) Methylcyclohexane	6.41	83	81608	5.152	ug/L	99
37) 1,2-Dichloropropane	6.44	63	55376	5.453	ug/L	100
38) Bromodichloromethane	6.76	83	66131	5.331	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	66711	4.897	ug/L	98
40) 4-Methyl-2-pentanone	7.48	43	313710	52.423	ug/L	99
42) Toluene	7.64	91	210317	5.435	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	57332	5.256	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	37407	5.481	ug/L	97
47) Tetrachloroethene	8.23	164	44053	5.185	ug/L	99
48) 2-Hexanone	8.38	43	235944	55.791	ug/L	99
49) Dibromochloromethane	8.48	129	45393	5.397	ug/L	99
50) 1,2-Dibromoethane	8.59	107	33513	5.251	ug/L	98
51) Chlorobenzene	9.12	112	132068	5.080	ug/L	100
52) Ethylbenzene	9.25	91	200108	5.168	ug/L	99
53) m,p-xylene	9.38	106	81734	5.510	ug/L	97
54) o-xylene	9.78	106	76748	5.409	ug/L	98
55) Styrene	9.79	104	142743	5.722	ug/L	98
56) Isopropylbenzene	10.17	105	197122	5.324	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	45663	5.347	ug/L	96
59) 1,2,3-Trichloropropane	10.50	75	31904	5.342	ug/L	100
61) Bromoform	9.96	173	26051	5.228	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	94851	5.017	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	105064	4.904	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	103248	5.226	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	6533	5.210	ug/L	91
67) 1,3,5-Trichlorobenzene	12.89	180	79254	5.021	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	62186	4.824	ug/L	98
69) Naphthalene	13.75	128	85327	4.605	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	62884	5.129	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 5.143 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

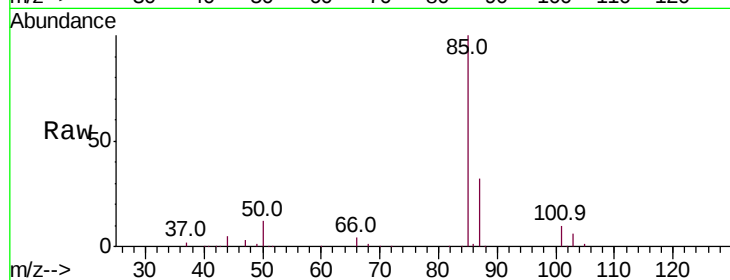
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 67258

Ion Ratio Lower Upper

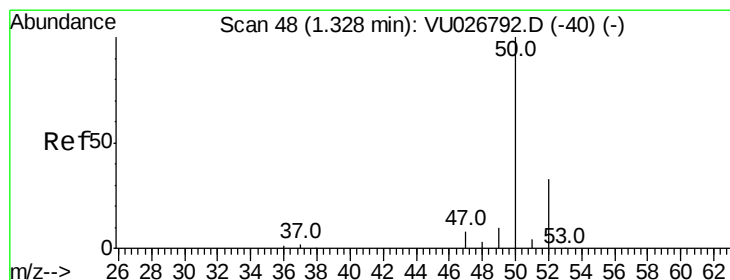
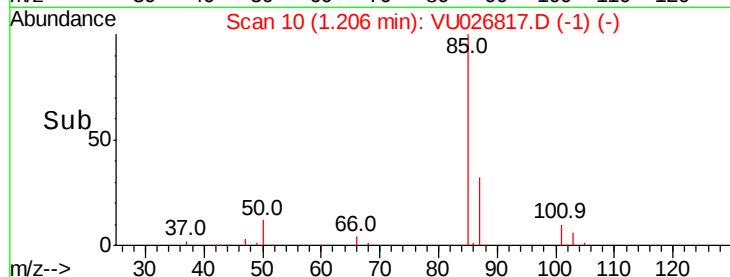
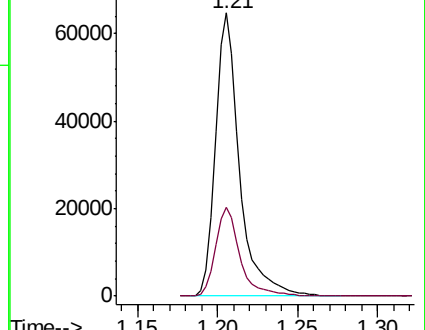
85 100

87 31.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU026792.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU026792.D (-3) (-)



#3

Chloromethane

Concen: 5.339 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026817.D

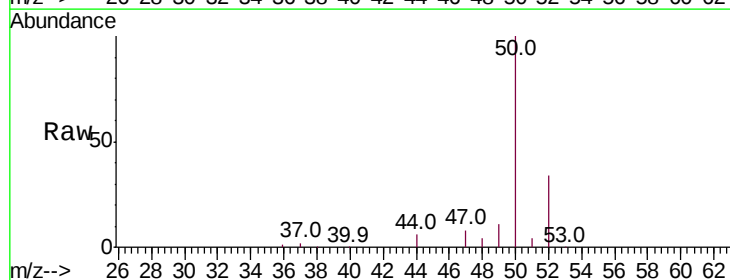
Acq: 17 Sep 2018 11:51

Tgt Ion: 50 Resp: 69051

Ion Ratio Lower Upper

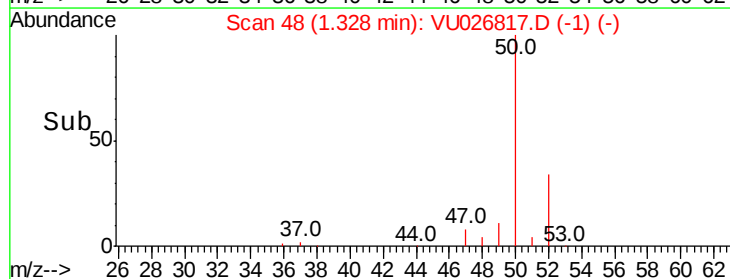
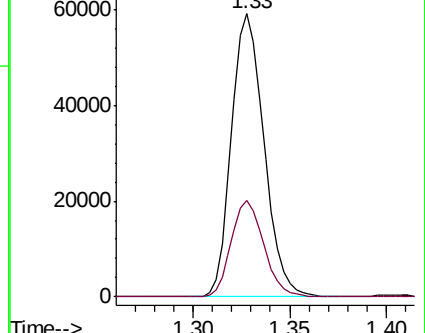
50 100

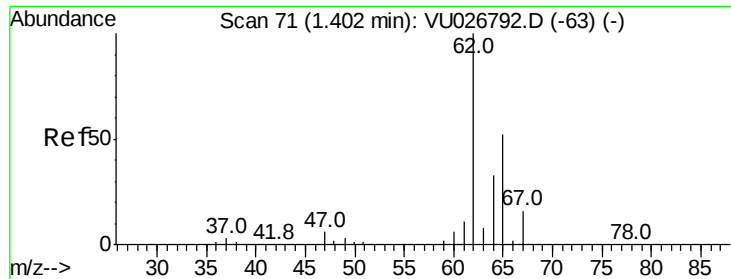
52 34.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU026792.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VU026792.D (-40) (-)





#5

Vinyl chloride

Concen: 5.107 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

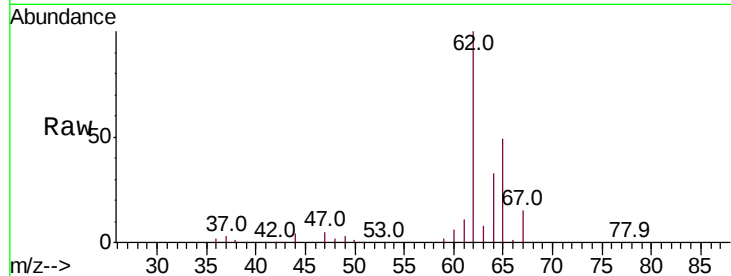
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 67765

Ion Ratio Lower Upper

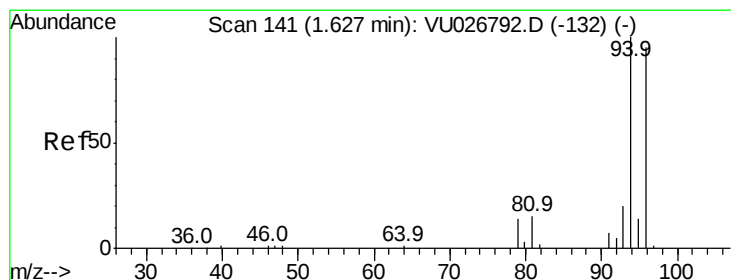
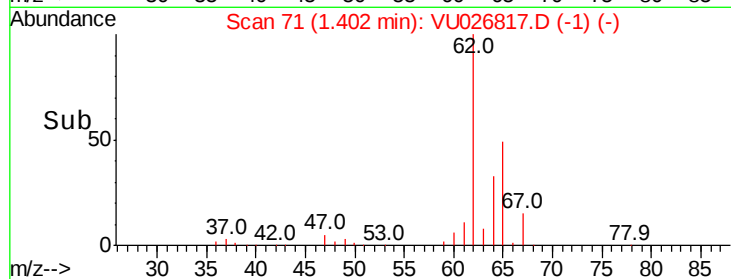
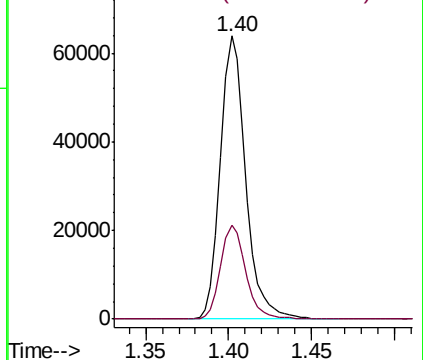
62 100

64 33.4 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.398 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU026817.D

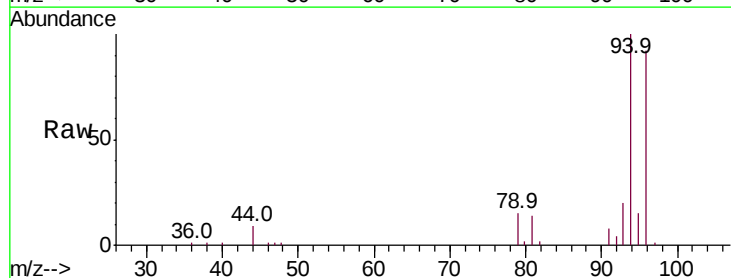
Acq: 17 Sep 2018 11:51

Tgt Ion: 94 Resp: 29013

Ion Ratio Lower Upper

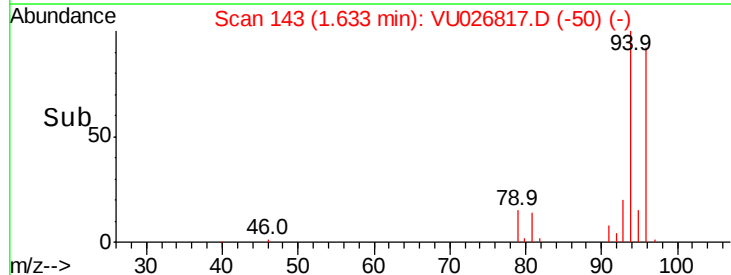
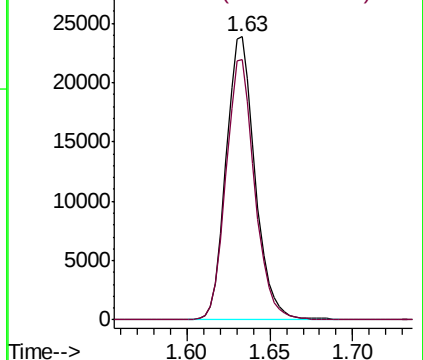
94 100

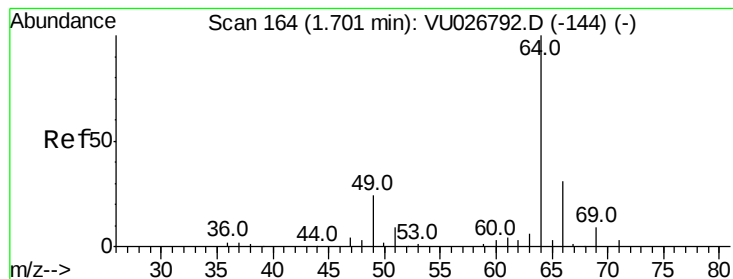
96 92.0 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.032 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

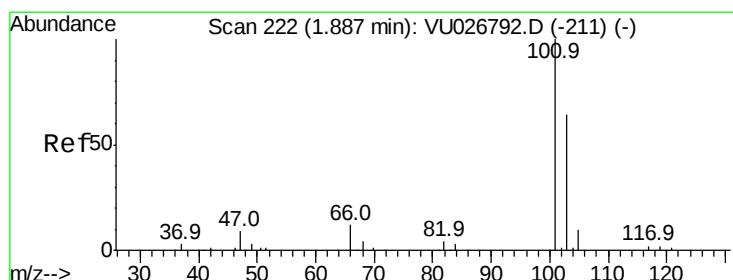
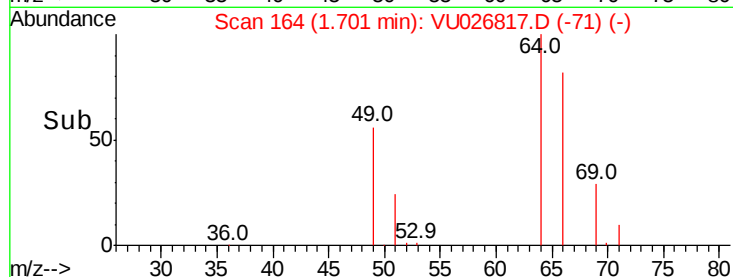
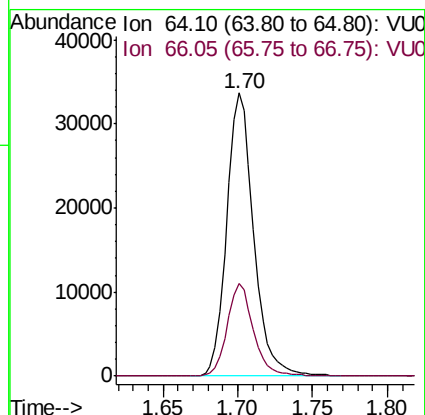
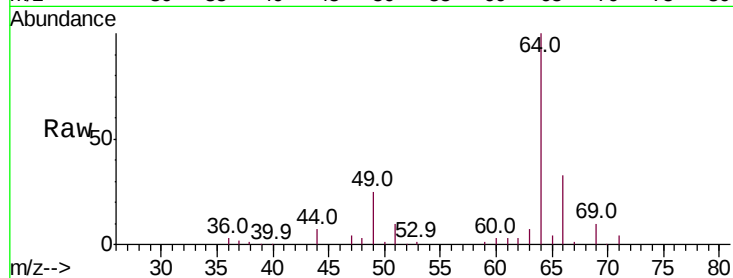
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 42189

Ion Ratio Lower Upper

64 100

66 32.6 20.9 38.9



#9

Trichlorofluoromethane

Concen: 5.178 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU026817.D

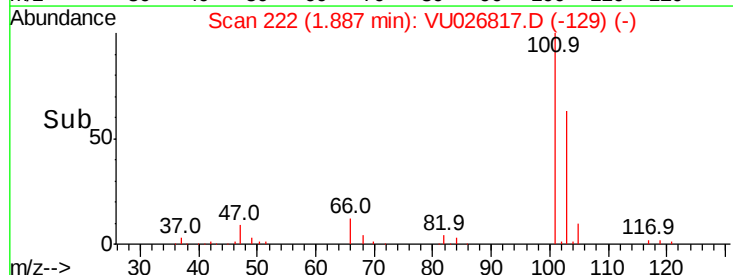
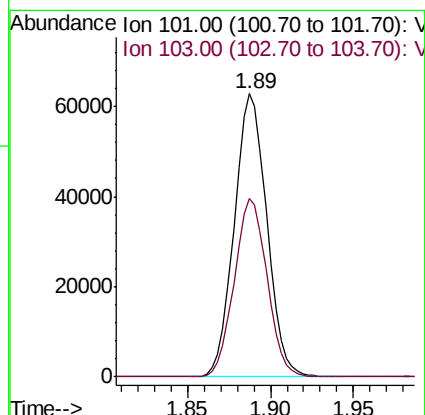
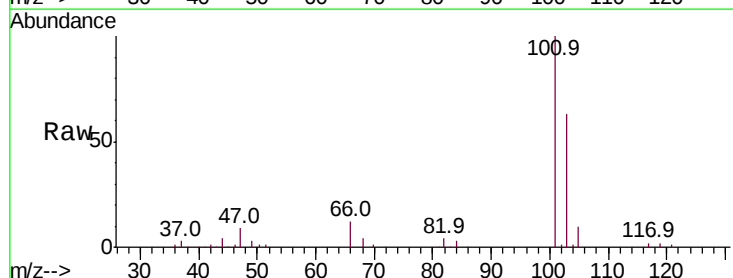
Acq: 17 Sep 2018 11:51

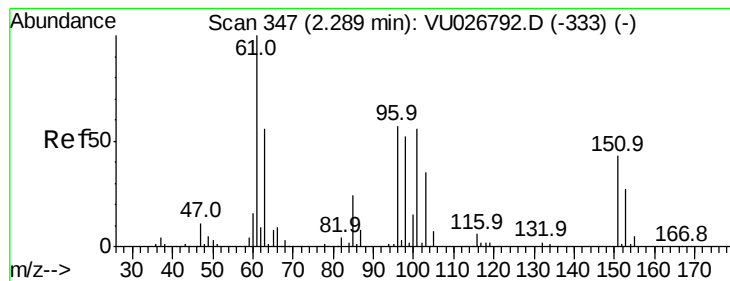
Tgt Ion: 101 Resp: 85749

Ion Ratio Lower Upper

101 100

103 63.4 51.2 76.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.205 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

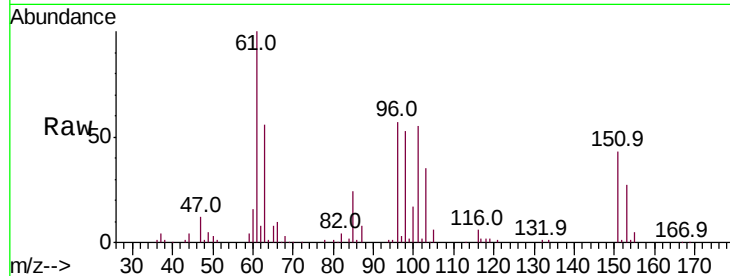
Tot Ion:101 Resp: 49770

Ion Ratio Lower Upper

101 100

85 43.3 35.1 52.7

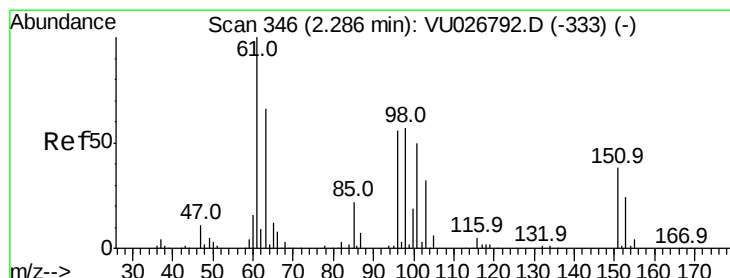
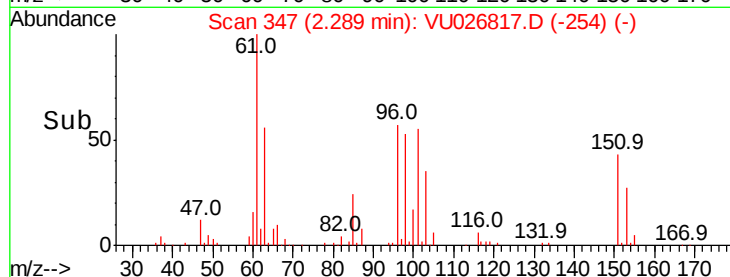
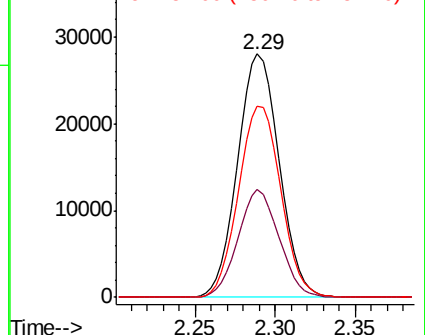
151 79.8 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.128 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

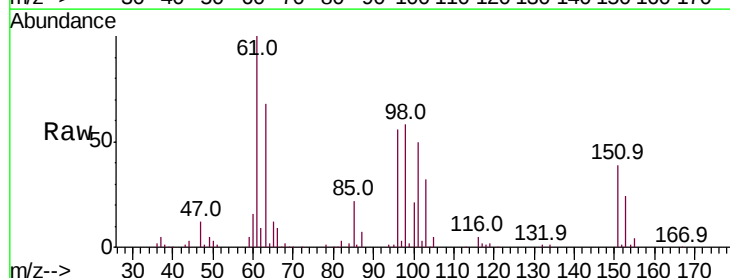
Tgt Ion: 96 Resp: 46205

Ion Ratio Lower Upper

96 100

61 178.7 126.6 235.2

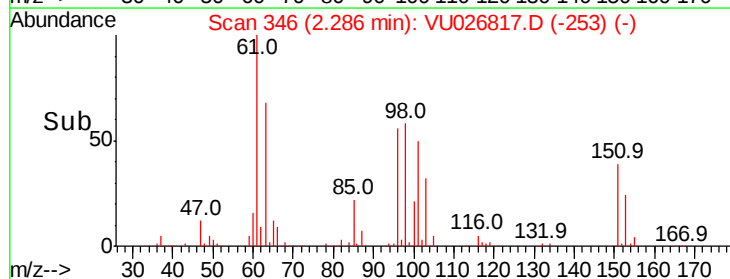
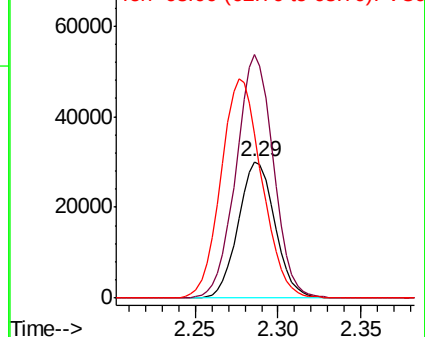
63 120.9 91.3 169.5

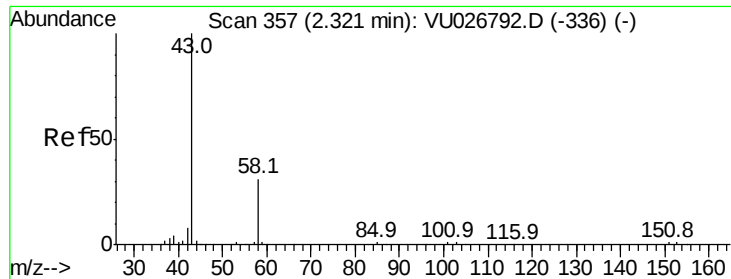


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.190 ug/L

RT: 2.34 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

Instrument :

MSVOA_U

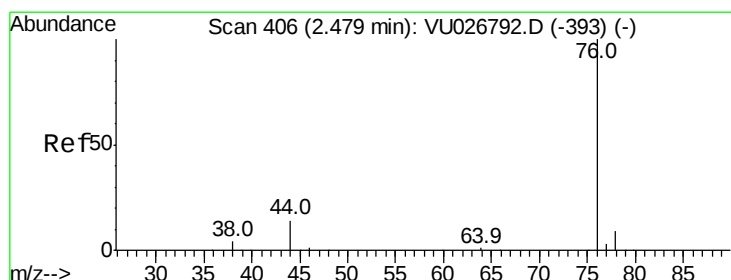
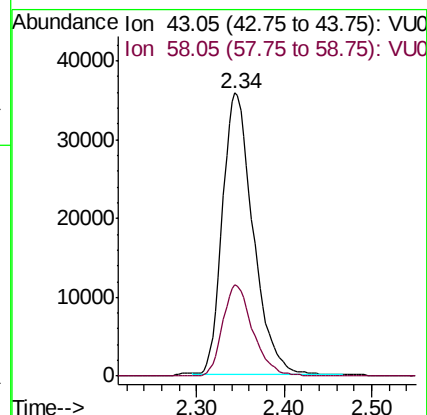
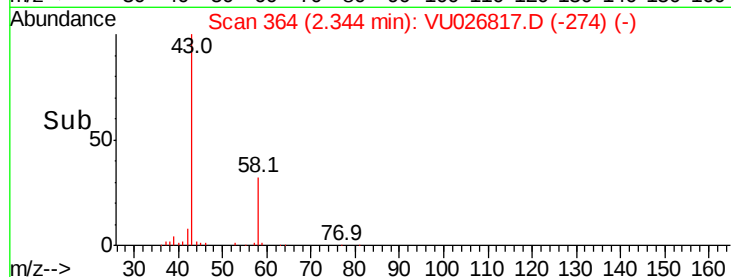
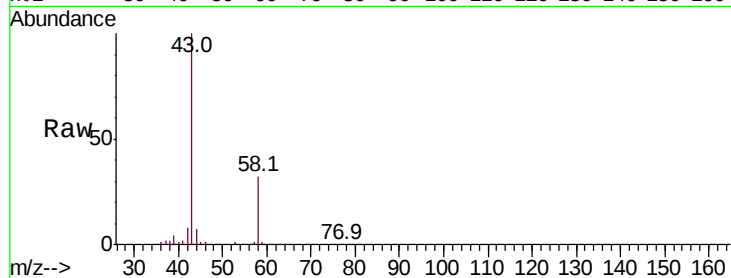
ClientSampleId :

Tot Ion: 43 Resp: 86851

Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.0



#14

Carbon disulfide

Concen: 5.300 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026817.D

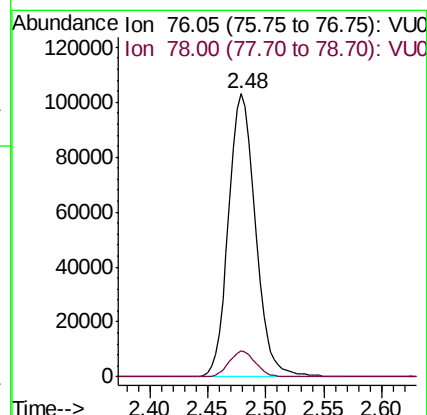
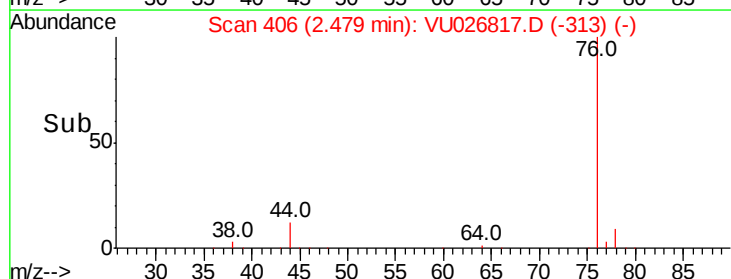
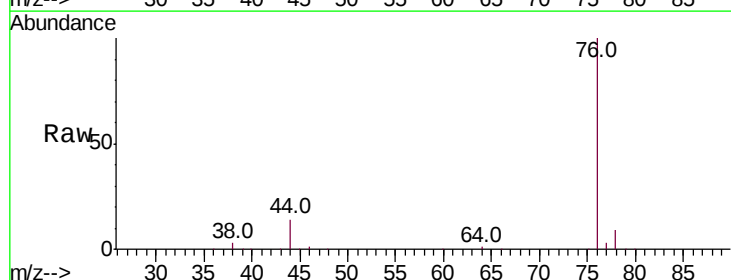
Acq: 17 Sep 2018 11:51

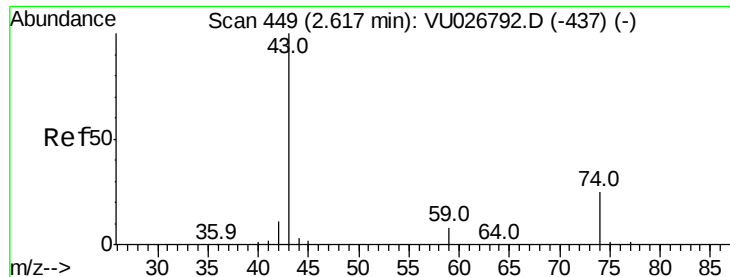
Tgt Ion: 76 Resp: 166109

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

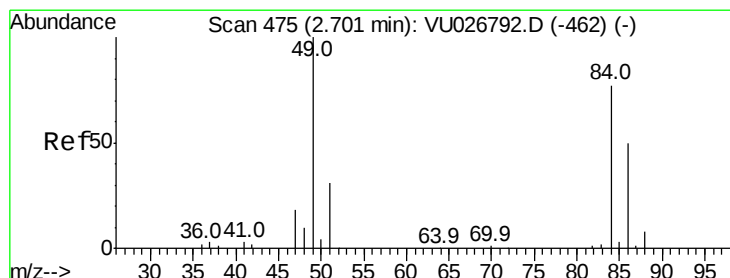
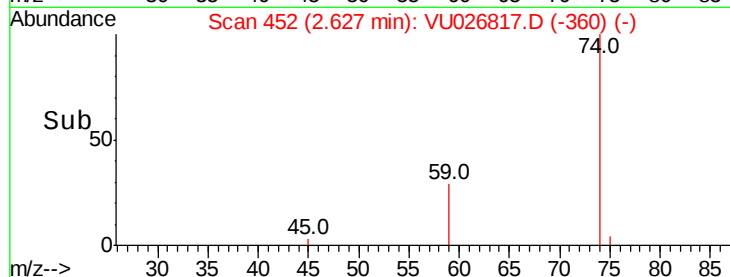
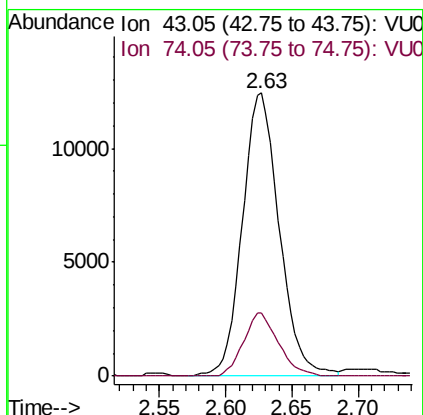
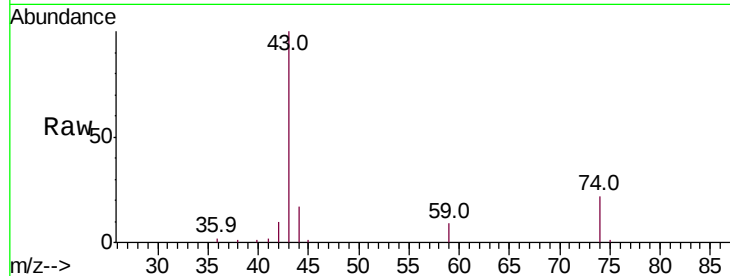




#15
Methvl Acetate
Concen: 5.100 ug/L
RT: 2.63 min Scan# 452
Delta R.T. -0.00 min
Lab File: VU026817.D
Acq: 17 Sep 2018 11:51

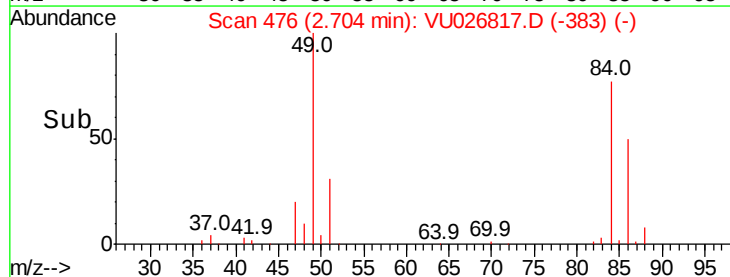
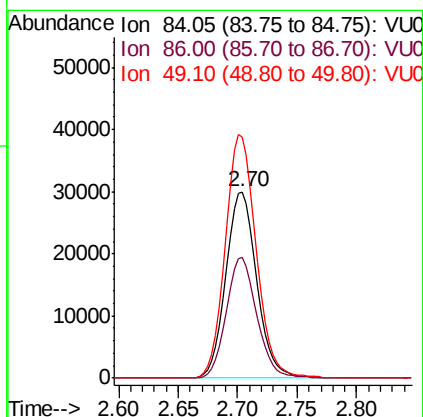
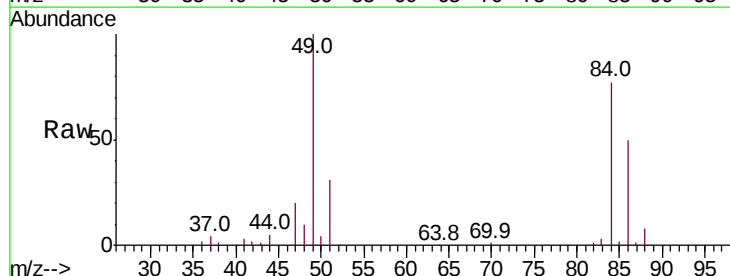
Instrument :
MSVOA_U
ClientSampled :

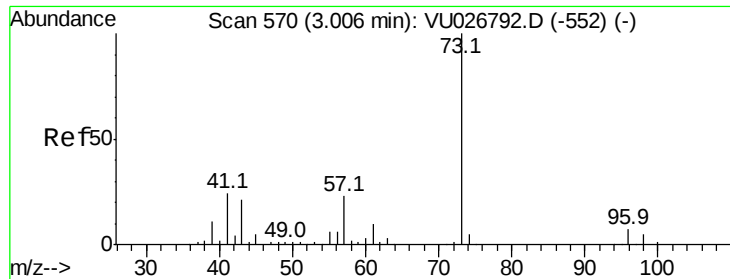
Tot Ion: 43 Resp: 24111
Ion Ratio Lower Upper
43 100
74 21.1 18.5 27.7



#16
Methylene chloride
Concen: 4.935 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026817.D
Acq: 17 Sep 2018 11:51

Tgt Ion: 84 Resp: 54059
Ion Ratio Lower Upper
84 100
86 64.4 46.1 85.5
49 129.3 92.1 171.1

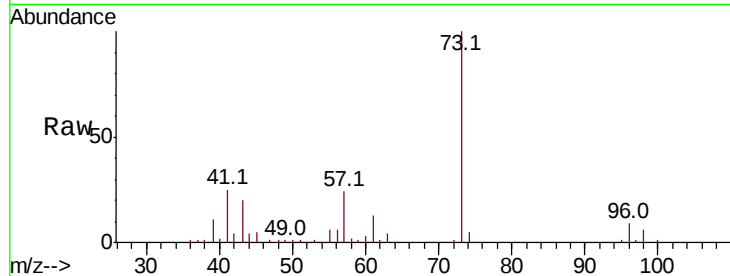




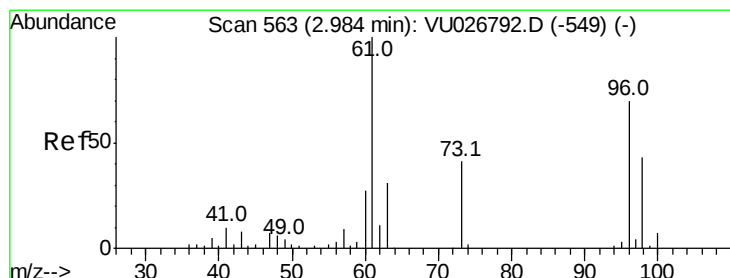
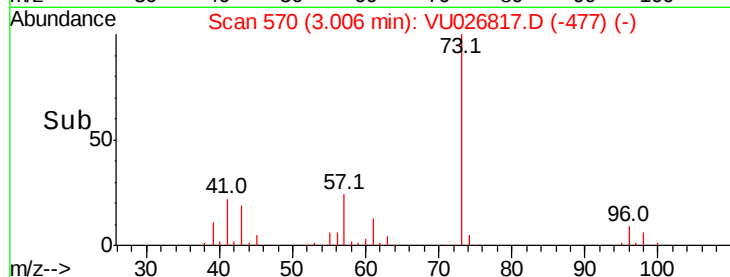
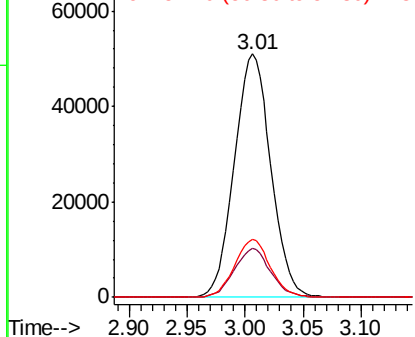
#17
Methvl tert-butvl Ether
Concen: 5.105 ug/L
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU026817.D
Acq: 17 Sep 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 111128
Ion Ratio Lower Upper
73 100
43 20.3 16.0 24.0
57 23.2 18.2 27.4

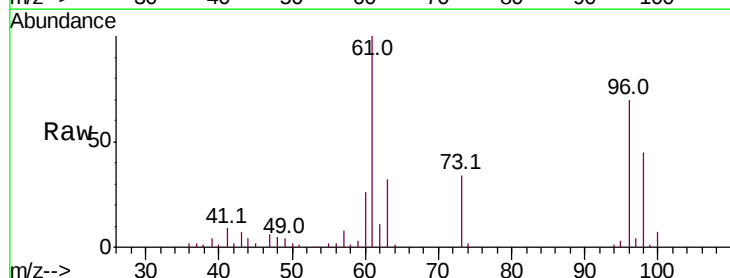


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

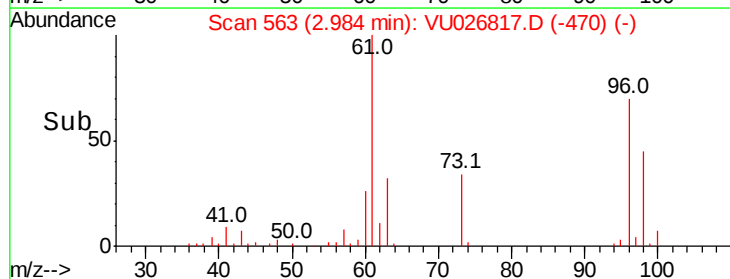
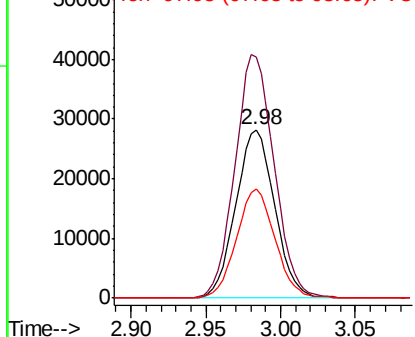


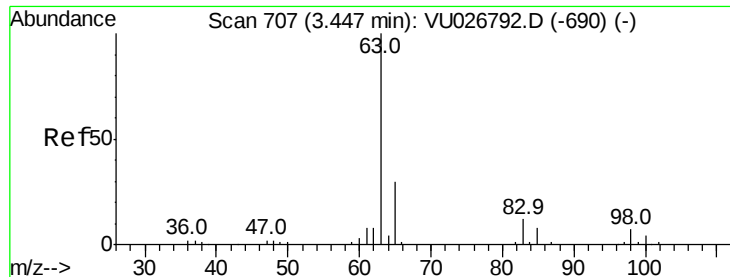
#18
trans-1,2-Dichloroethene
Concen: 5.175 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU026817.D
Acq: 17 Sep 2018 11:51

Tgt Ion: 96 Resp: 51211
Ion Ratio Lower Upper
96 100
61 143.3 99.0 183.8
98 64.6 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

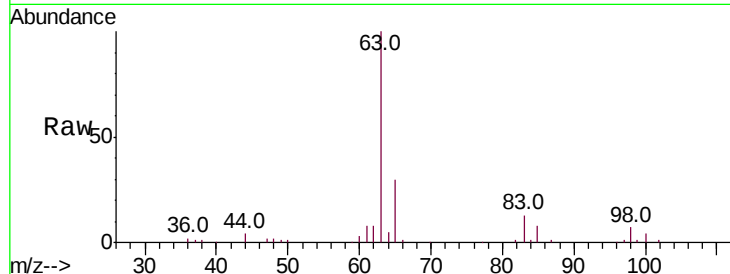




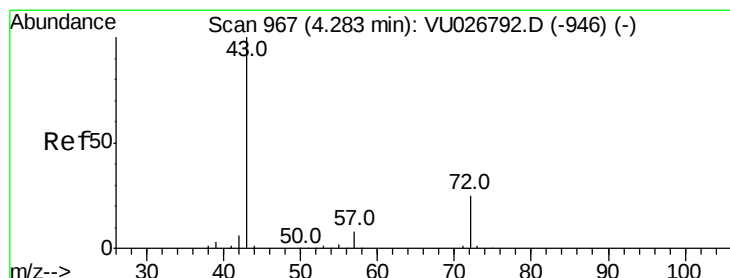
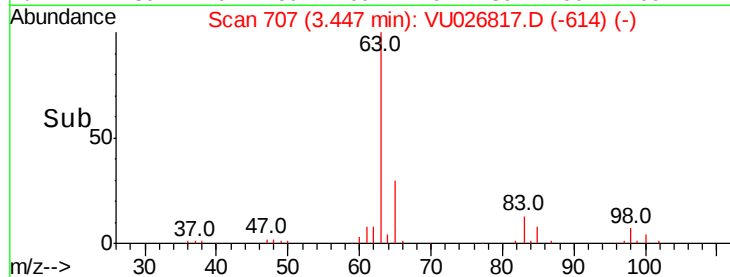
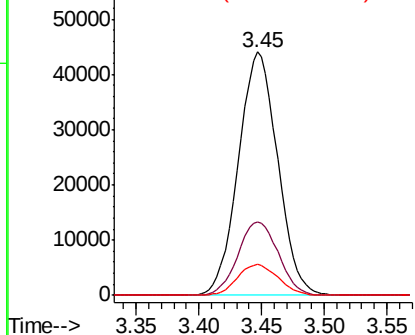
#19
 1,1-Dichloroethane
 Concen: 5.202 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 96049
 Ion Ratio Lower Upper
 63 100
 65 30.0 21.7 40.3
 83 12.8 9.0 16.6

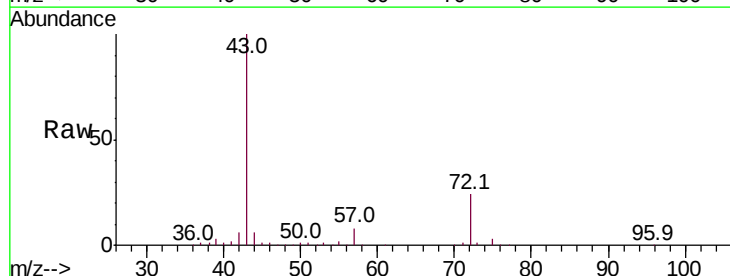


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

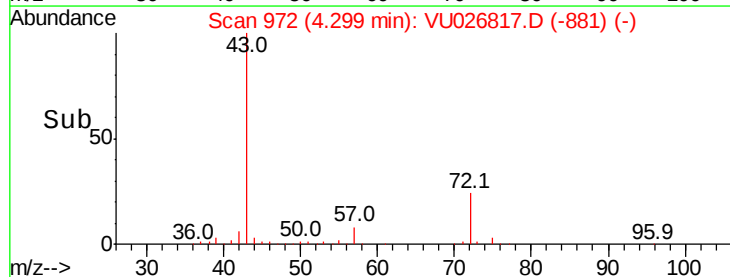
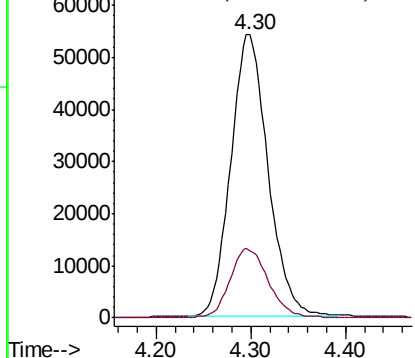


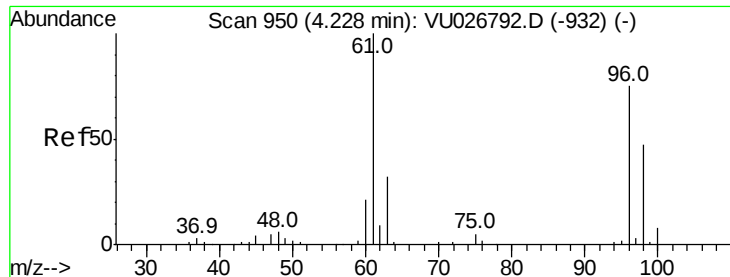
#21
 2-Butanone
 Concen: 49.694 ug/L
 RT: 4.30 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Tgt Ion: 43 Resp: 147976
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



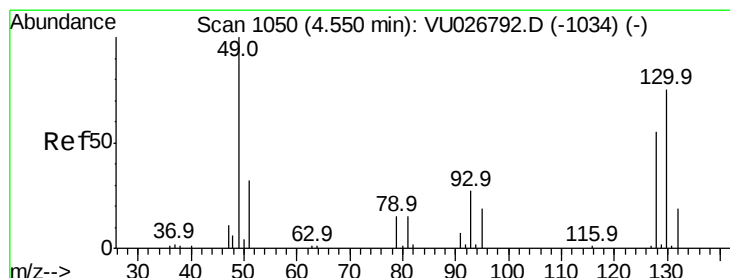
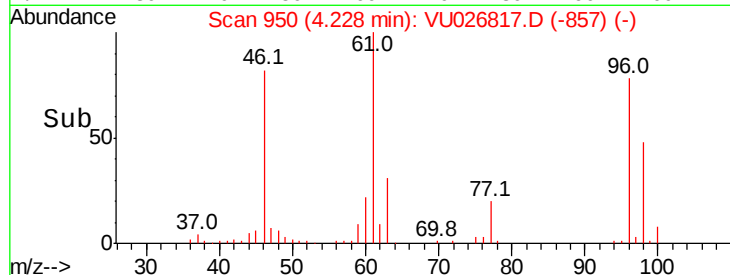
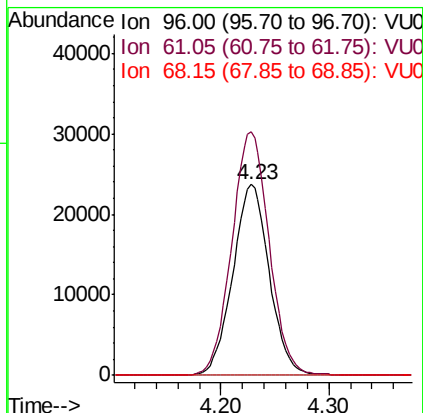
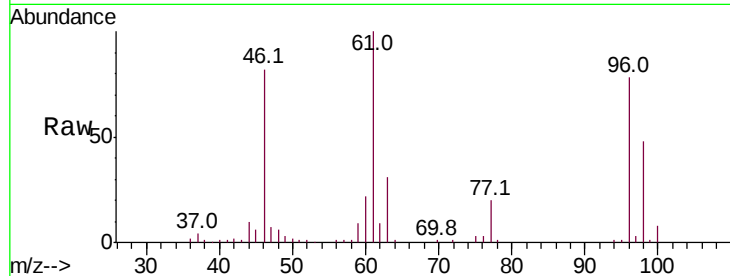


#22

cis-1,2-Dichloroethene
 Concen: 5.224 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :

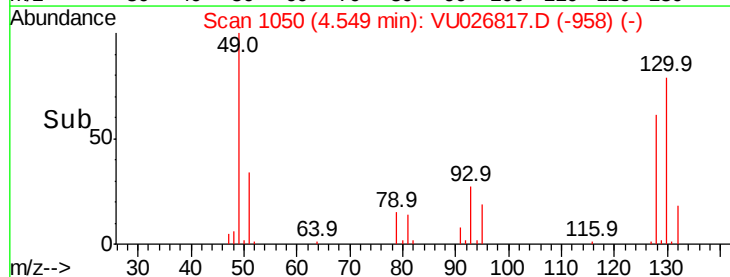
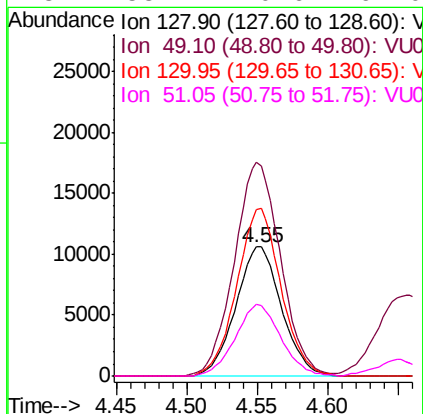
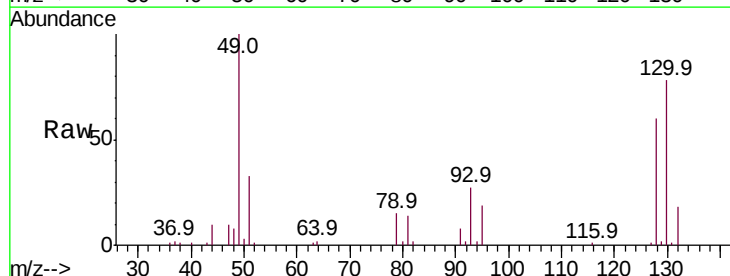
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.6	94.4	175.2
68	0.0	0.0	0.0

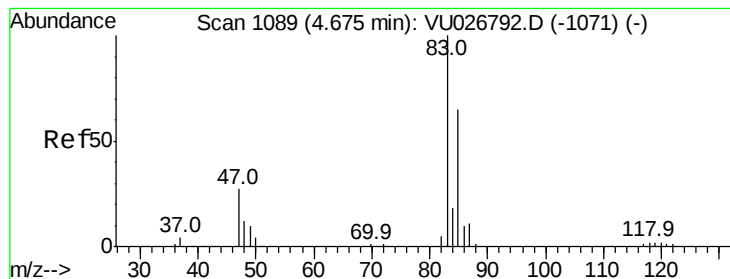


#23

Bromochloromethane
 Concen: 5.269 ug/L
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.4	115.0	213.6
130	128.6	87.2	161.9
51	55.2	40.6	61.0





#25

Chloroform

Concen: 5.234 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

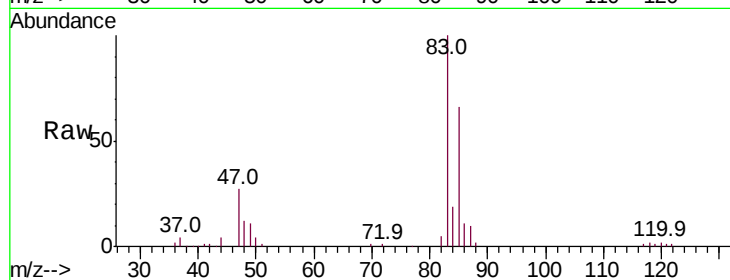
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 93167

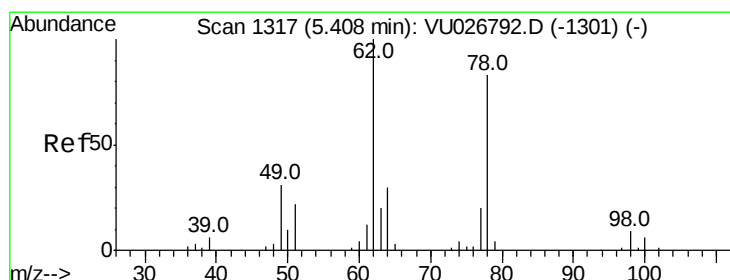
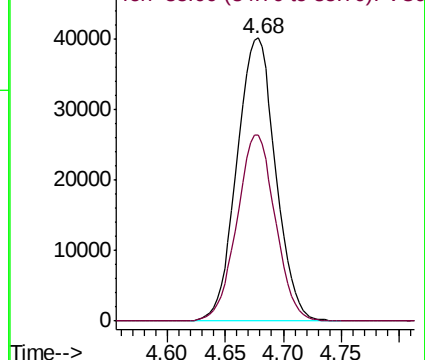
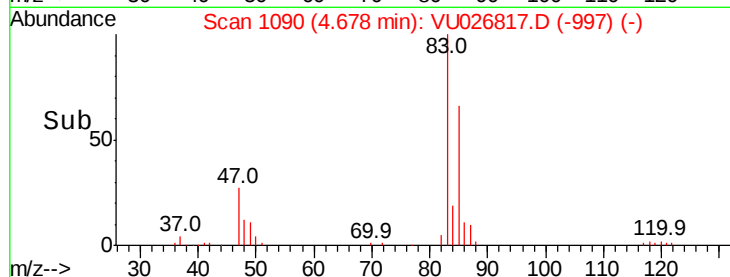
Ion Ratio Lower Upper

83 100

85 65.8 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VU026817.D (-997) (-)



#27

1,2-Dichloroethane

Concen: 5.280 ug/L

RT: 5.41 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VU026817.D

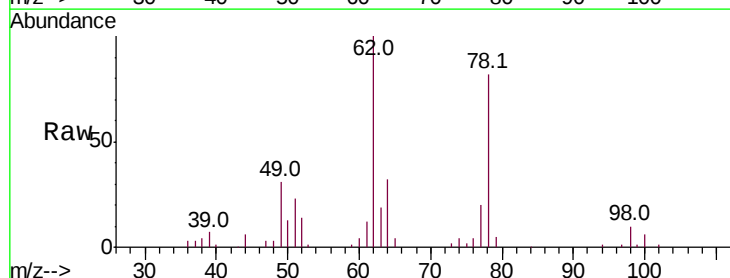
Acq: 17 Sep 2018 11:51

Tgt Ion: 62 Resp: 60526

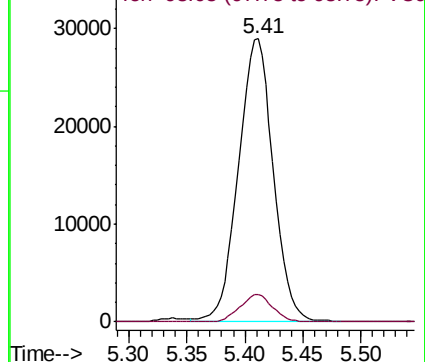
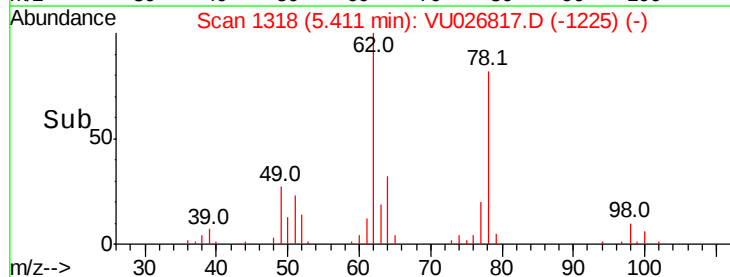
Ion Ratio Lower Upper

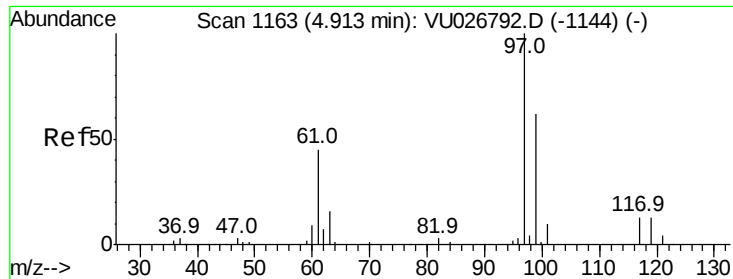
62 100

98 9.7 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU026817.D (-1225) (-)

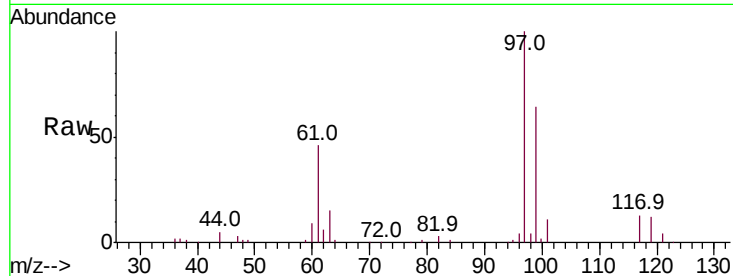




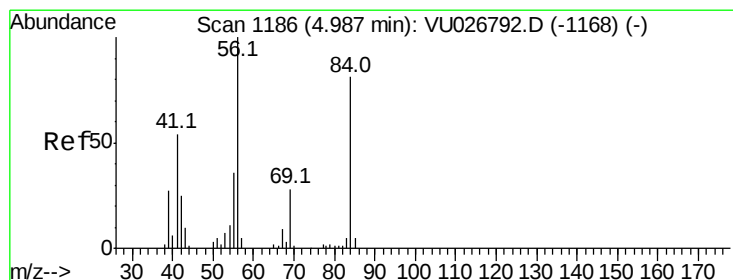
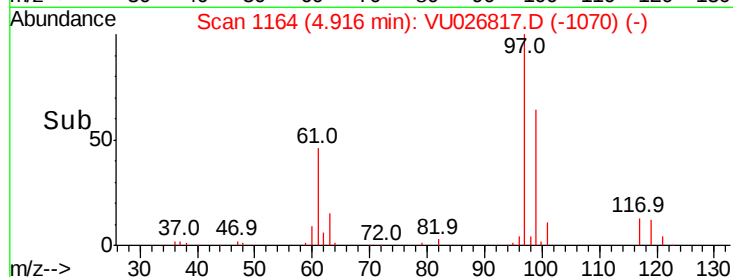
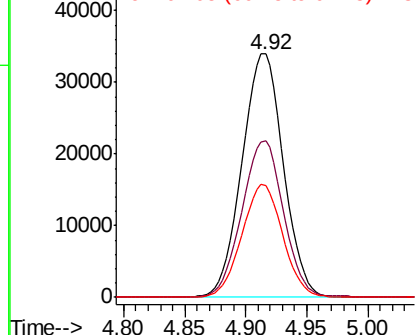
#29
 1,1,1-Trichloroethane
 Concen: 5.418 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 79705
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.5 77.3
 61 45.8 36.6 54.8

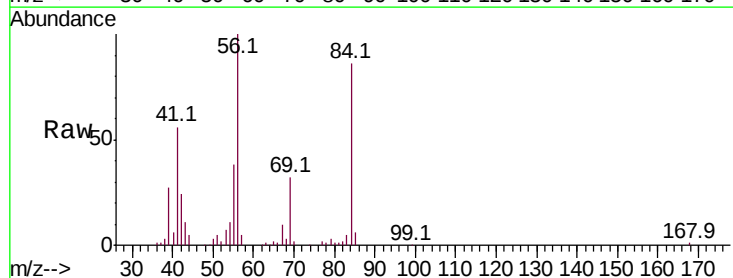


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

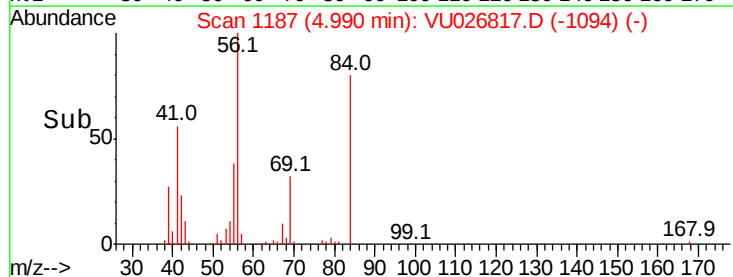
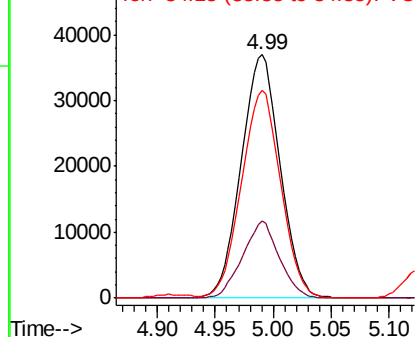


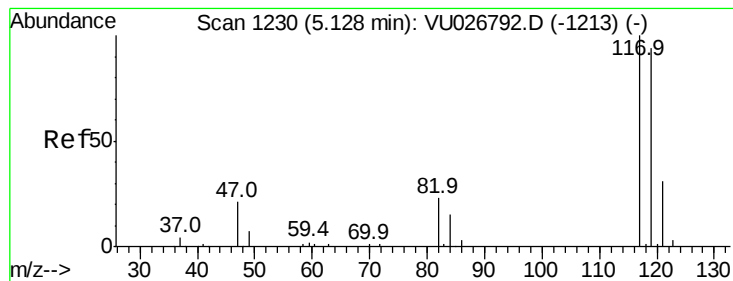
#30
 Cyclohexane
 Concen: 5.233 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Tgt Ion: 56 Resp: 86761
 Ion Ratio Lower Upper
 56 100
 69 29.8 23.9 35.9
 84 85.8 66.6 100.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.408 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

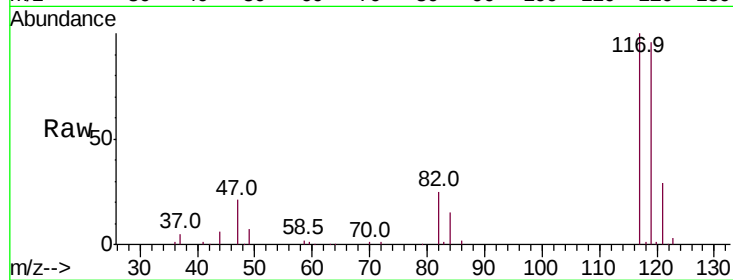
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 69991

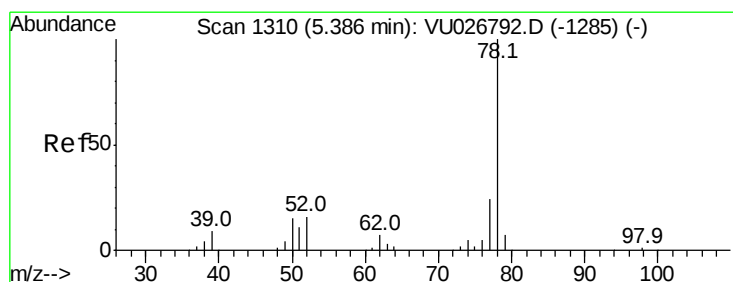
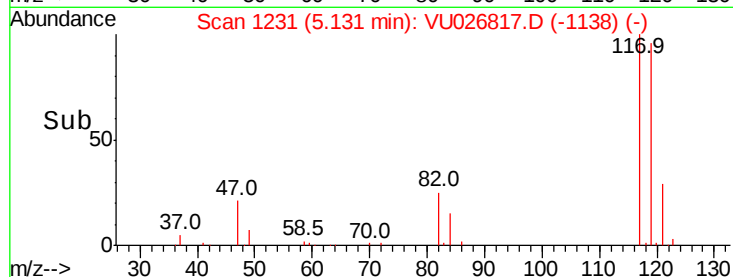
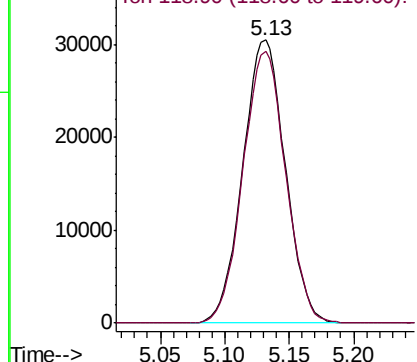
Ion Ratio Lower Upper

117 100

119 96.4 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.398 ug/L

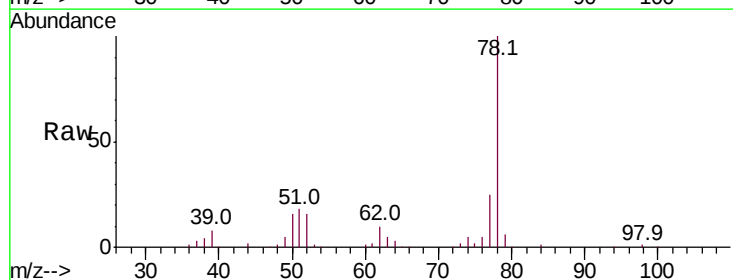
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

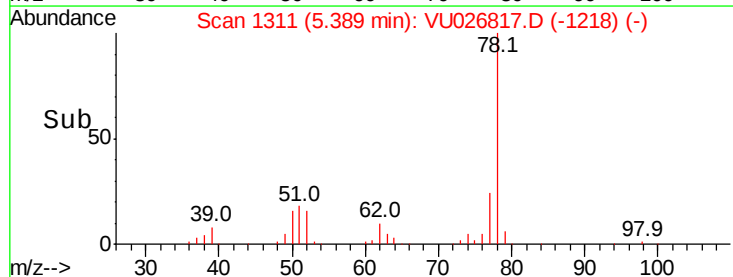
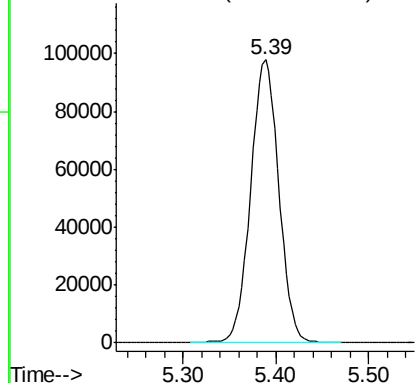
Lab File: VU026817.D

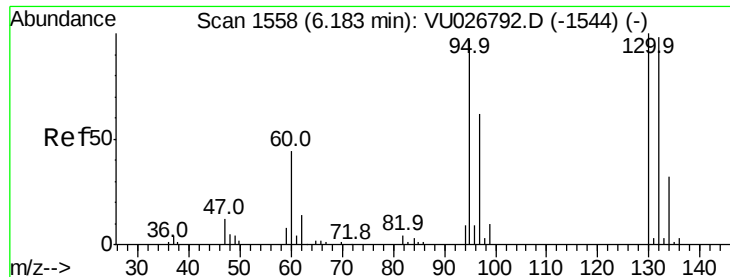
Acq: 17 Sep 2018 11:51

Tgt Ion: 78 Resp: 206318



Abundance Ion 78.10 (77.80 to 78.80): VU0

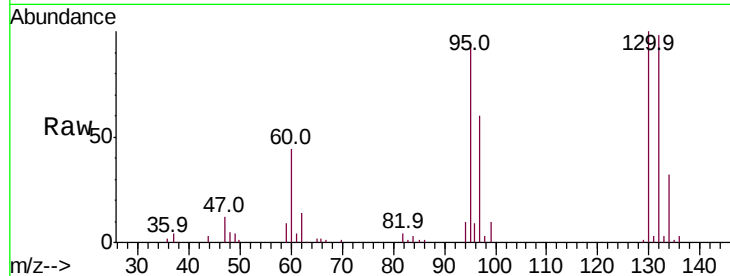




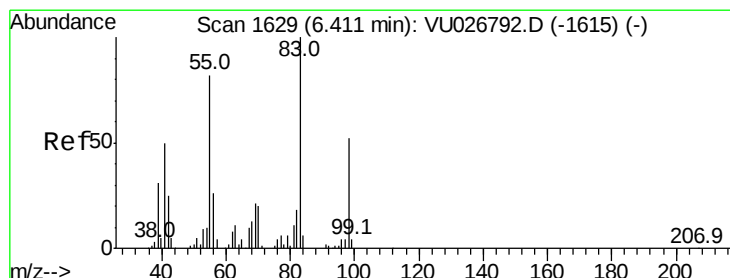
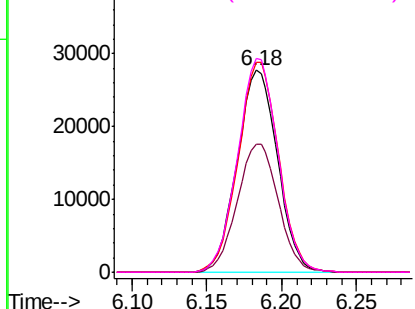
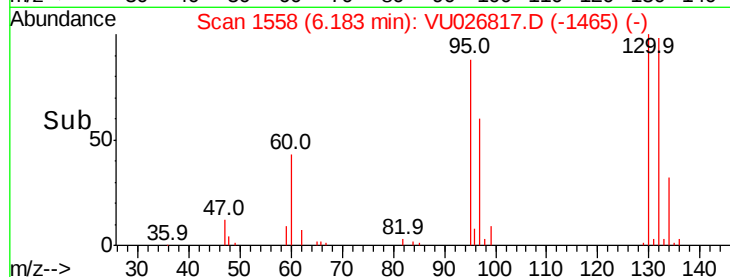
#34
 Trichloroethene
 Concen: 5.343 ug/L
 RT: 6.18 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 52071
 Ion Ratio Lower Upper
 95 100
 97 63.5 45.1 83.9
 132 104.0 72.0 133.8
 130 105.8 73.1 135.7

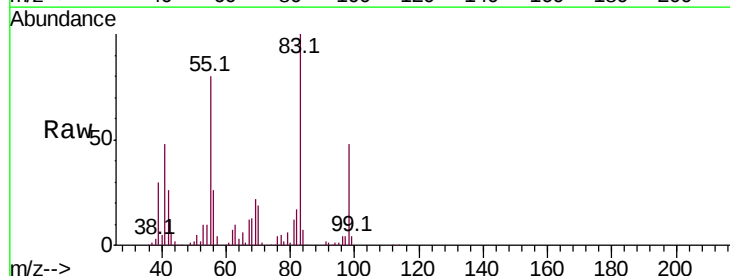


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

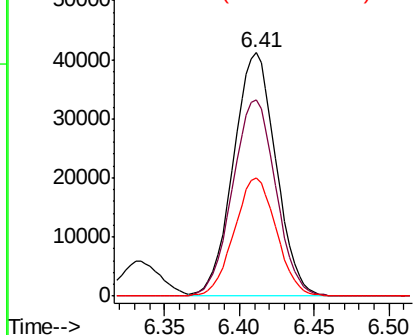
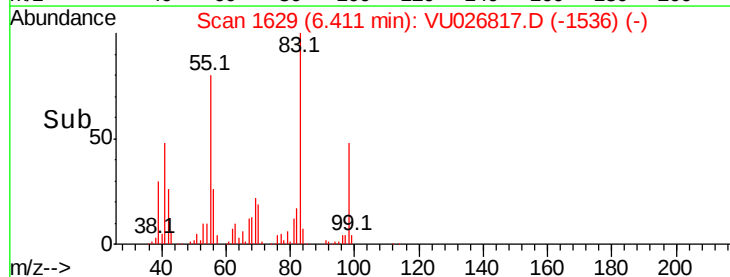


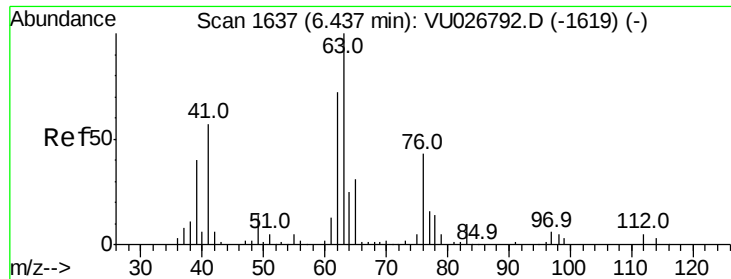
#35
 Methylcyclohexane
 Concen: 5.152 ug/L
 RT: 6.41 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Tgt Ion: 83 Resp: 81608
 Ion Ratio Lower Upper
 83 100
 55 81.6 64.9 97.3
 98 48.0 39.3 58.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

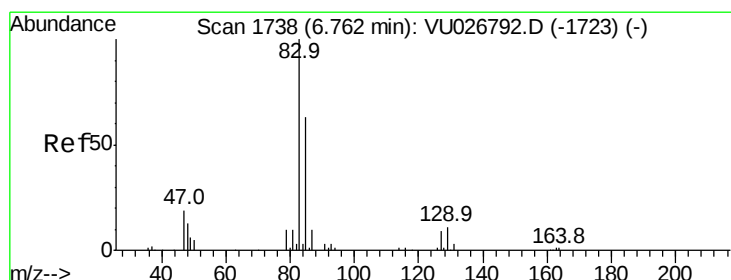
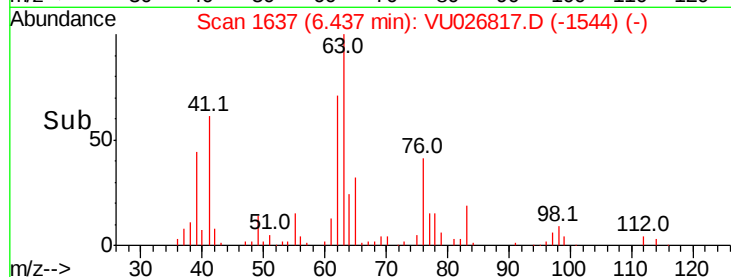
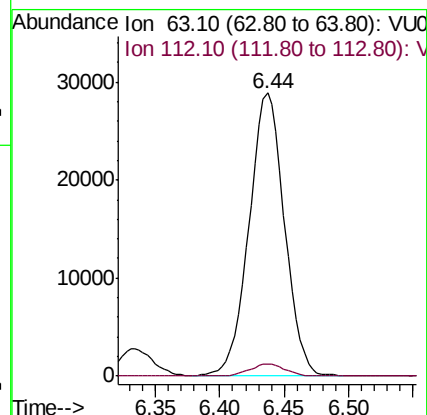
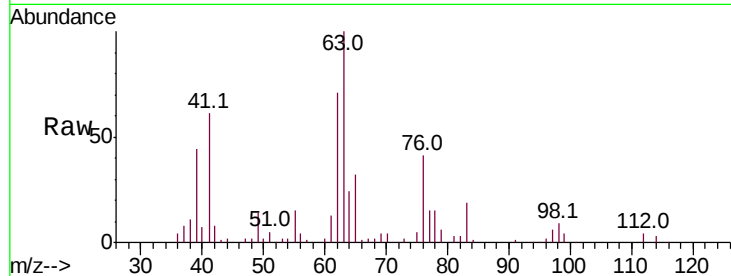




#37
 1,2-Dichloropropane
 Concen: 5.453 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

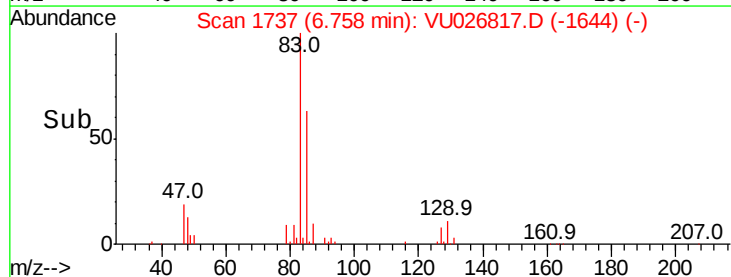
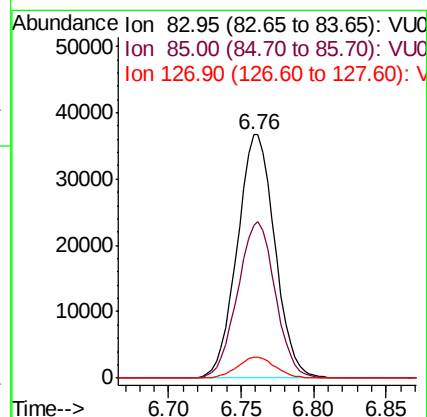
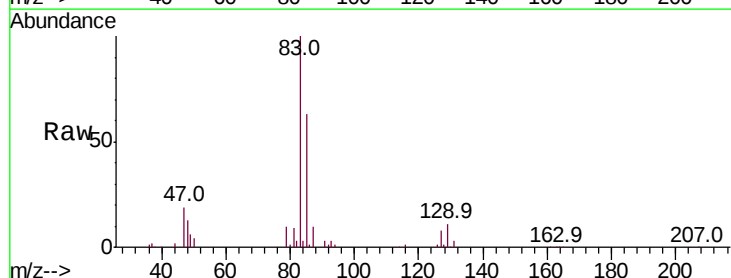
Instrument :
 MSVOA_U
 ClientSampleId :

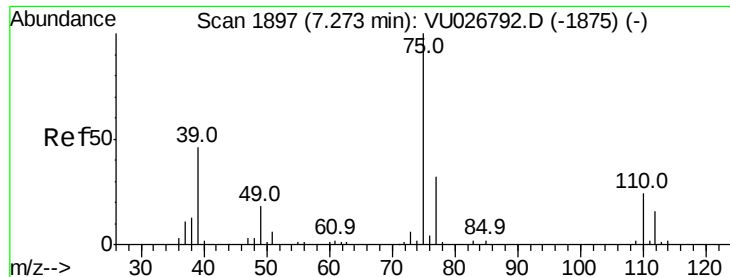
Tot Ion: 63 Resp: 55376
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.331 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Tgt Ion: 83 Resp: 66131
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.8 85.0
 127 8.4 6.6 10.0

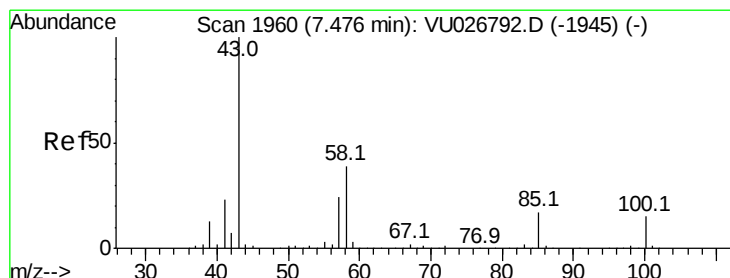
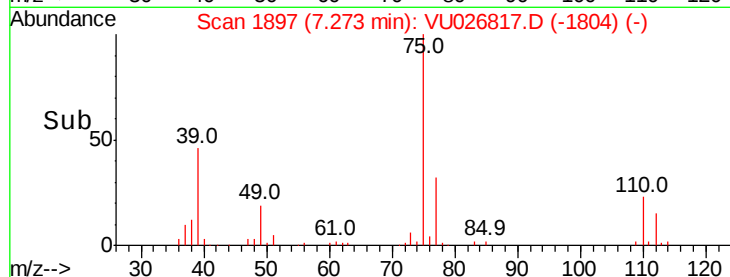
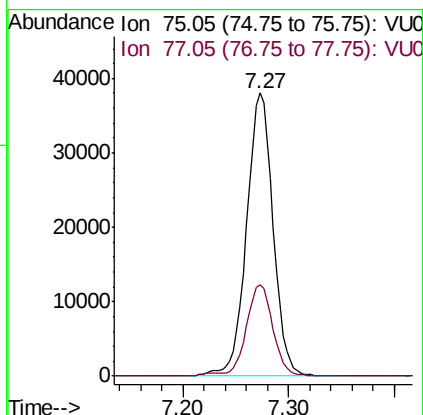
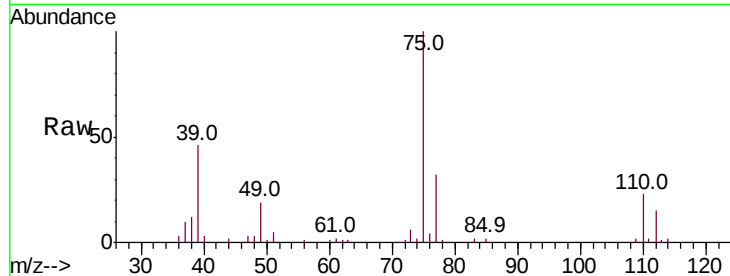




#39
 cis-1,3-Dichloropropene
 Concen: 4.897 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

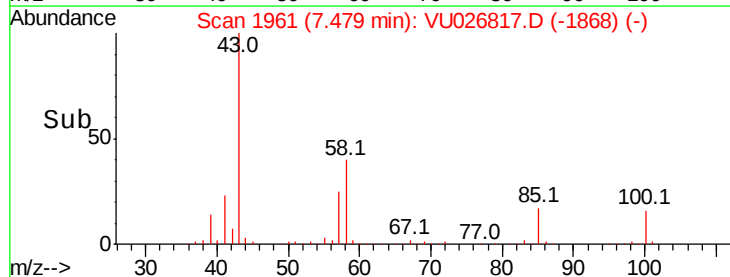
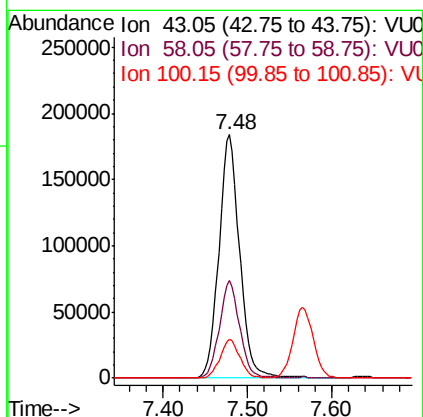
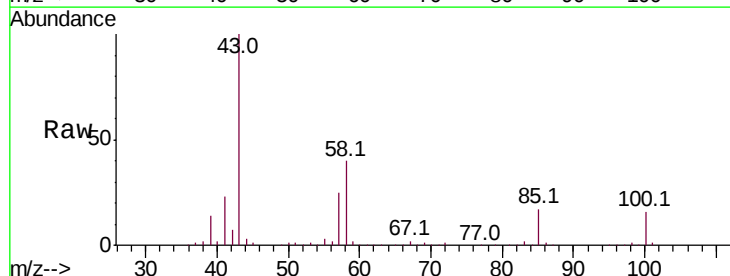
Instrument :
 MSVOA_U
 ClientSampleId :

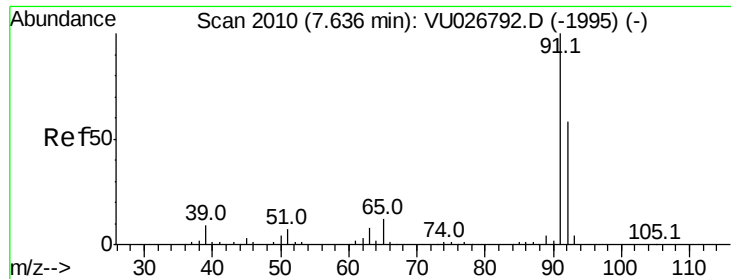
Tot Ion: 75 Resp: 66711
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 52.423 ug/L
 RT: 7.48 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Tgt Ion: 43 Resp: 313710
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.9 46.3
 100 15.3 12.3 18.5





#42

Toluene

Concen: 5.435 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

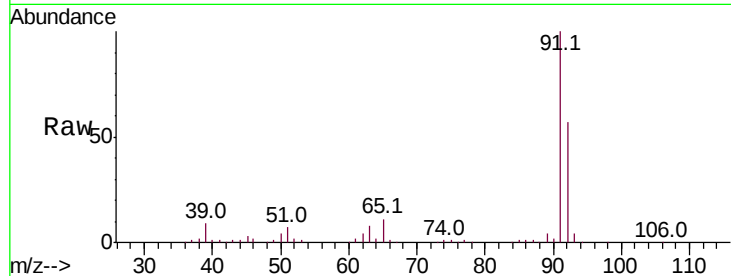
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 210317

Ion Ratio Lower Upper

91 100

92 56.9 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU026817.D (-1918) (-)

Ion 92.15 (91.85 to 92.85): VU026817.D (-1918) (-)

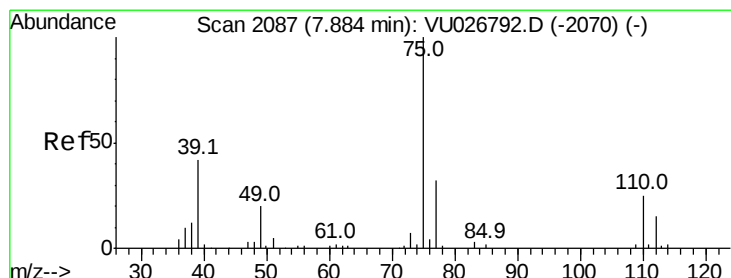
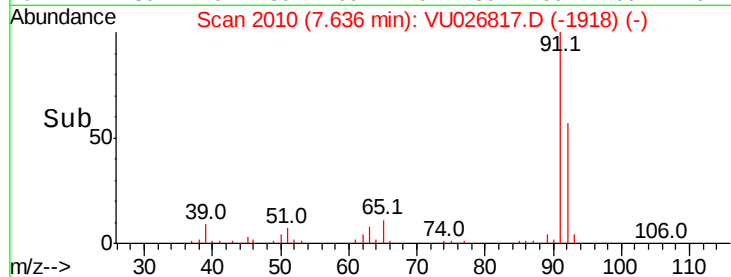
7.64

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.256 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026817.D

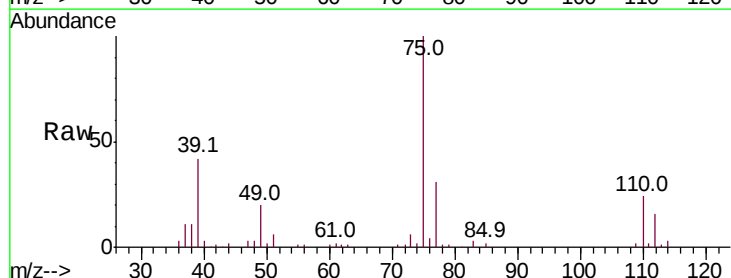
Acq: 17 Sep 2018 11:51

Tgt Ion: 75 Resp: 57332

Ion Ratio Lower Upper

75 100

77 30.9 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU026817.D (-1994) (-)

Ion 77.05 (76.75 to 77.75): VU026817.D (-1994) (-)

7.88

40000

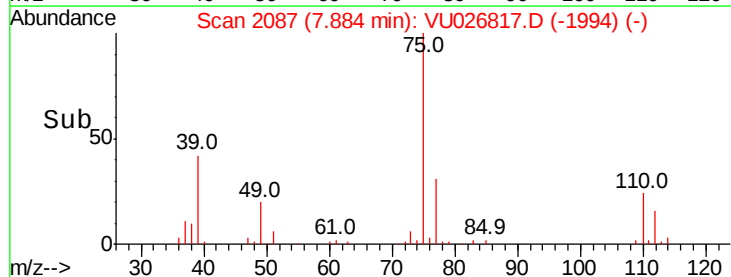
30000

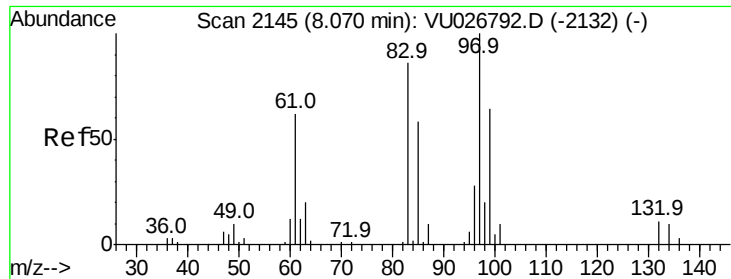
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.481 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 37407

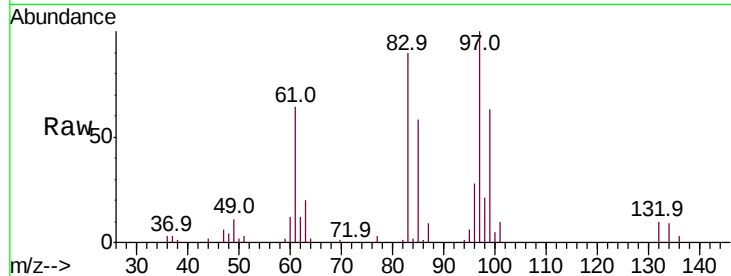
Ion	Ratio	Lower	Upper
97	100		
99	62.8	45.0	83.6
83	90.4	60.8	112.8
85	57.6	38.1	70.9

97 100

99 62.8 45.0 83.6

83 90.4 60.8 112.8

85 57.6 38.1 70.9



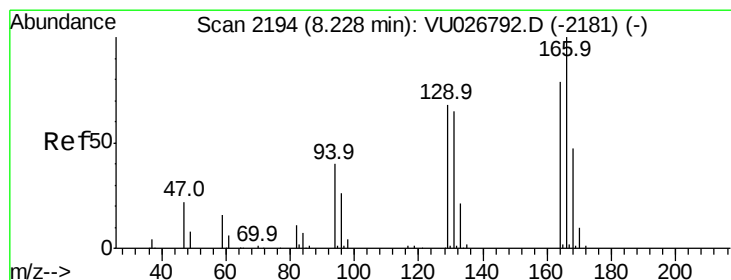
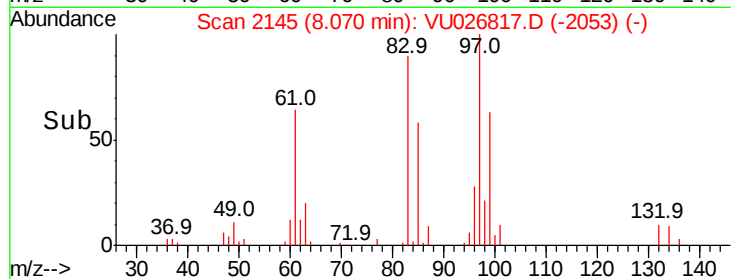
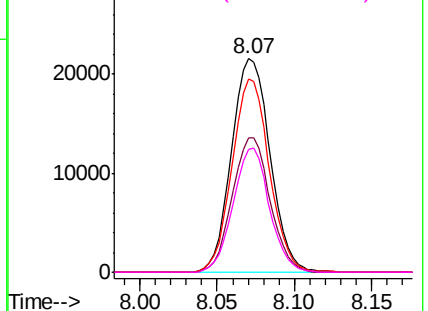
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.185 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

Tgt Ion:164 Resp: 44053

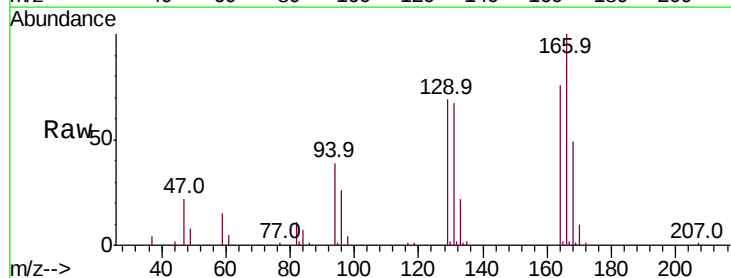
Ion	Ratio	Lower	Upper
164	100		
129	91.0	64.8	120.3
131	87.9	61.4	114.0
166	131.9	92.6	172.0

164 100

129 91.0 64.8 120.3

131 87.9 61.4 114.0

166 131.9 92.6 172.0



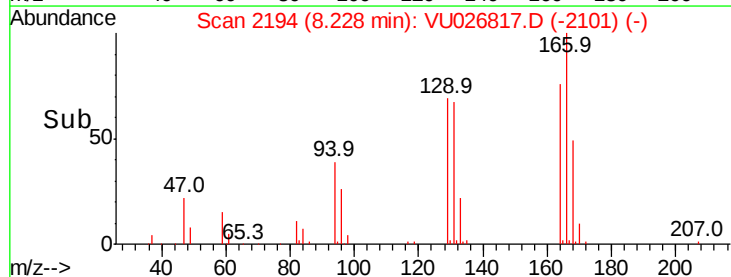
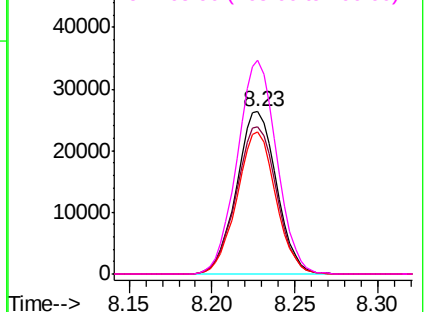
Abundance

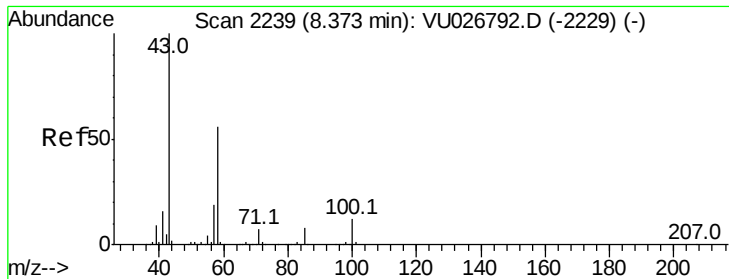
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

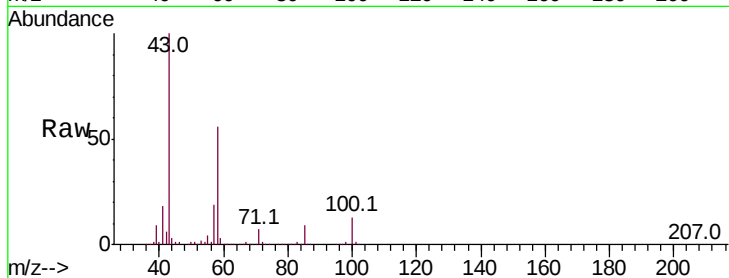




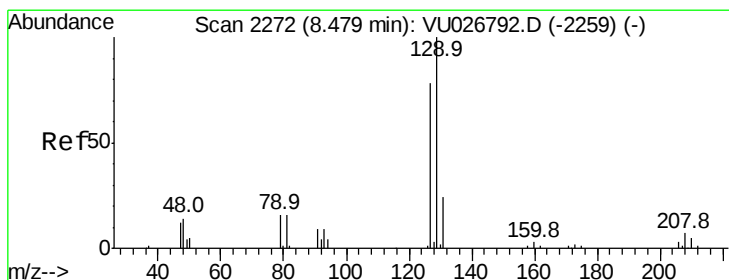
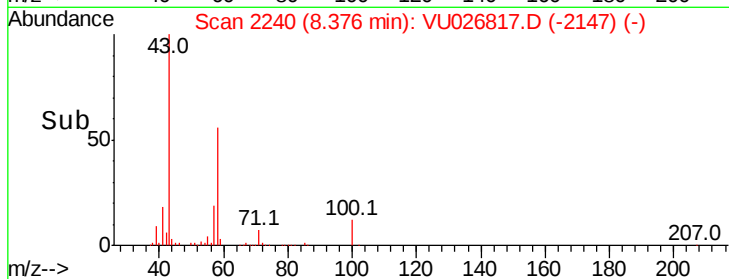
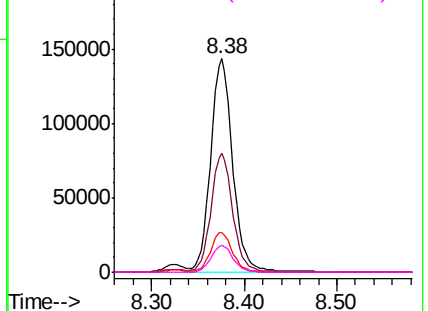
#48
2-Hexanone
Concen: 55.791 ug/L
RT: 8.38 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VU026817.D
Acq: 17 Sep 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 235944
Ion Ratio Lower Upper
43 100
58 54.9 43.7 65.5
57 18.4 15.2 22.8
100 12.5 10.1 15.1

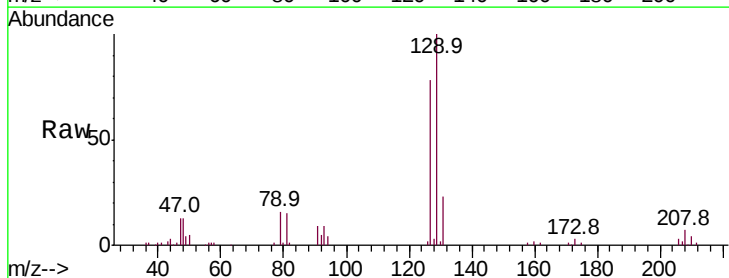


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

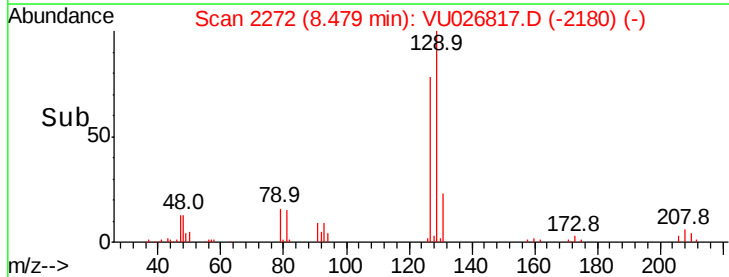
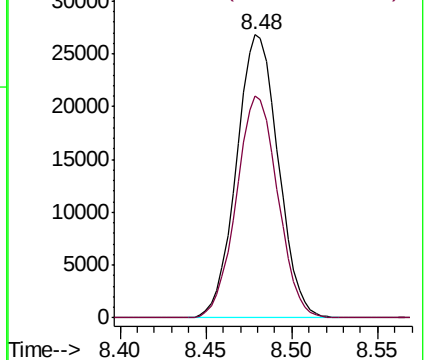


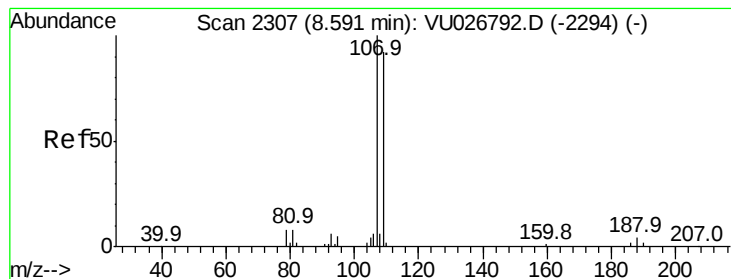
#49
Dibromochloromethane
Concen: 5.397 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026817.D
Acq: 17 Sep 2018 11:51

Tgt Ion: 129 Resp: 45393
Ion Ratio Lower Upper
129 100
127 78.4 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 5.251 ug/L

RT: 8.59 min Scan# 2307

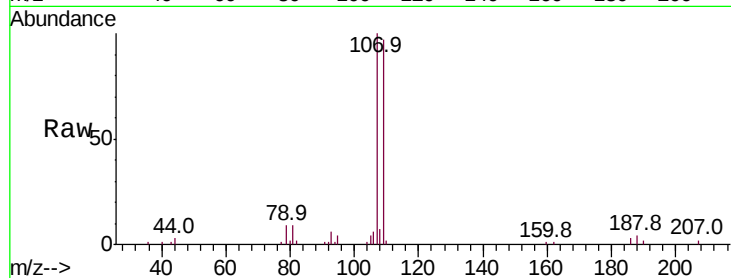
Delta R.T. 0.00 min

Lab File: VU026817.D

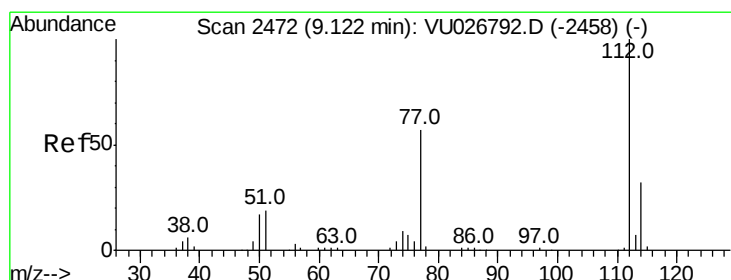
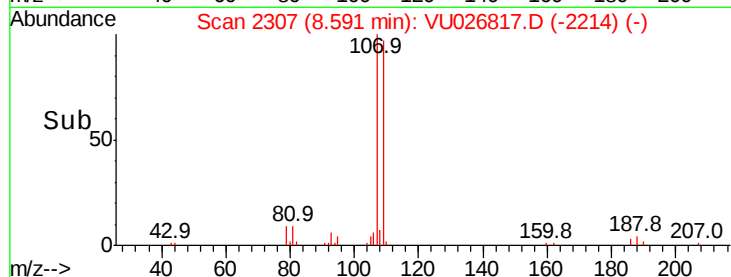
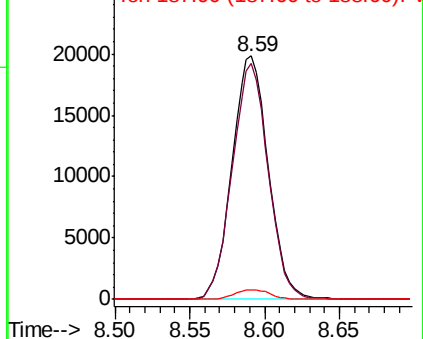
Acq: 17 Sep 2018 11:51

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	107	Resp:	33513
Ion	Ratio	Lower	Upper
107	100		
109	96.7	66.4	123.2
188	4.1	3.1	4.7



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.080 ug/L

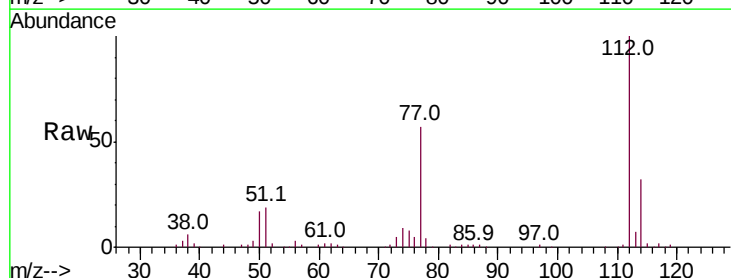
RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

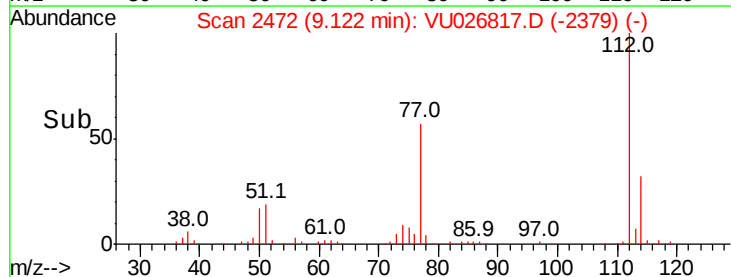
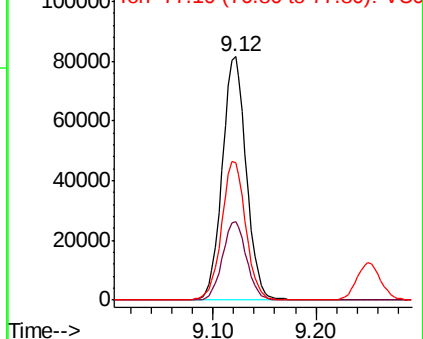
Lab File: VU026817.D

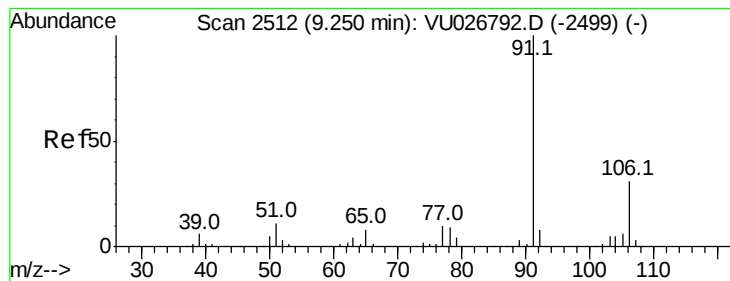
Acq: 17 Sep 2018 11:51

Tgt Ion:	112	Resp:	132068
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.6	42.0
77	56.5	45.1	67.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.168 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

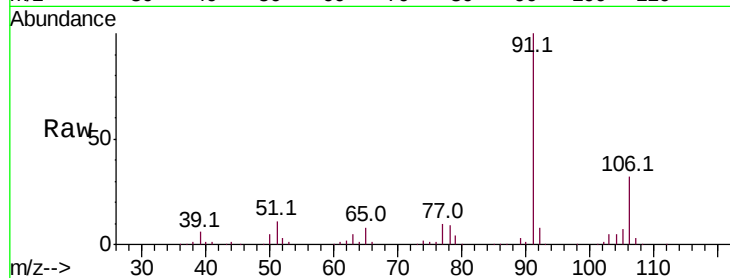
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 200108

Ion Ratio Lower Upper

91 100

106 31.8 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VU026817.D (-2499) (-)

Ion 106.15 (105.85 to 106.85): VU026817.D (-2499) (-)

9.25

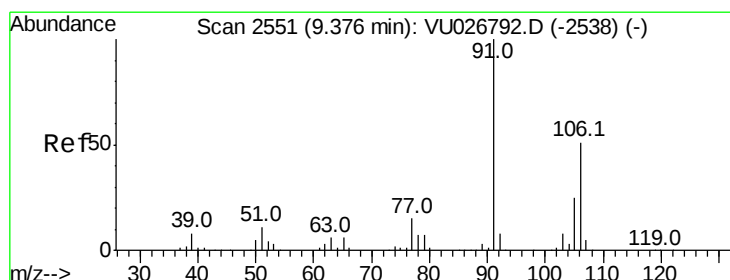
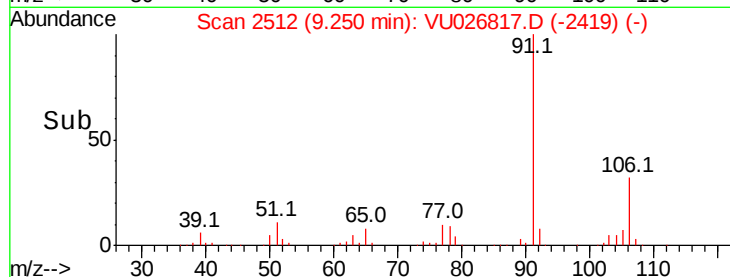
150000

100000

50000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#53

m,p-xylene

Concen: 5.510 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026817.D

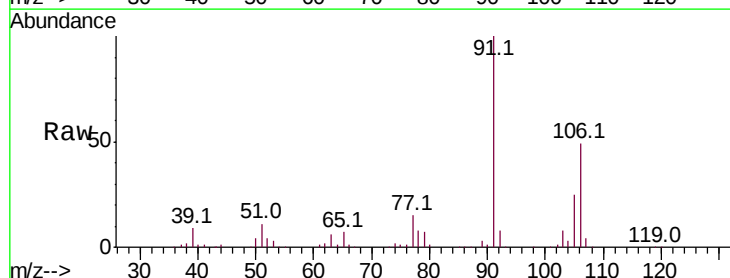
Acq: 17 Sep 2018 11:51

Tgt Ion: 106 Resp: 81734

Ion Ratio Lower Upper

106 100

91 202.4 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU026817.D (-2538) (-)

Ion 91.15 (90.85 to 91.85): VU026817.D (-2538) (-)

9.38

100000

80000

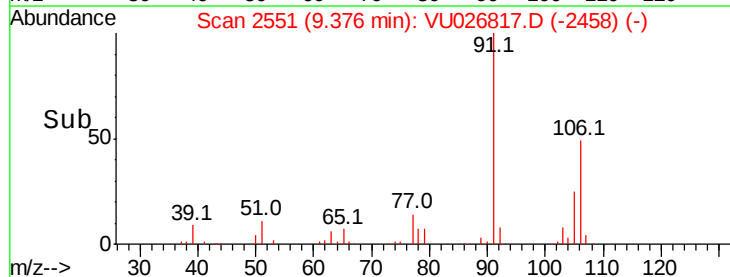
60000

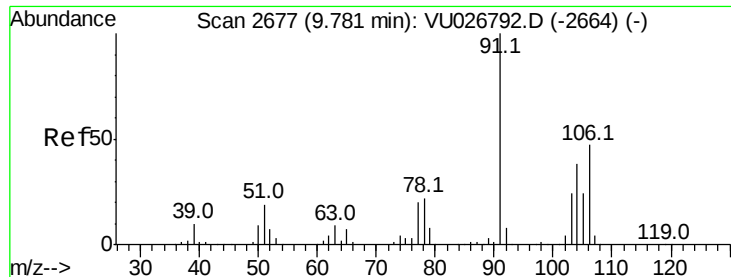
40000

20000

0

Time--> 9.30 9.35 9.40 9.45





#54

o-xylene

Concen: 5.409 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

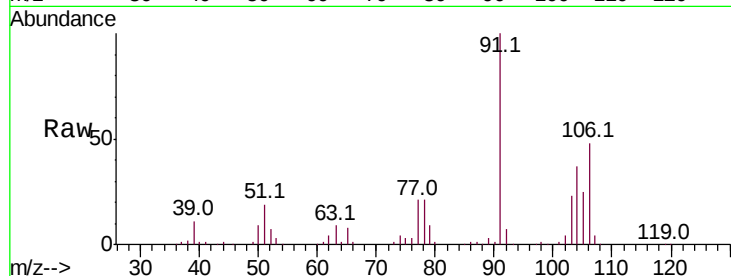
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 76748

Ion Ratio Lower Upper

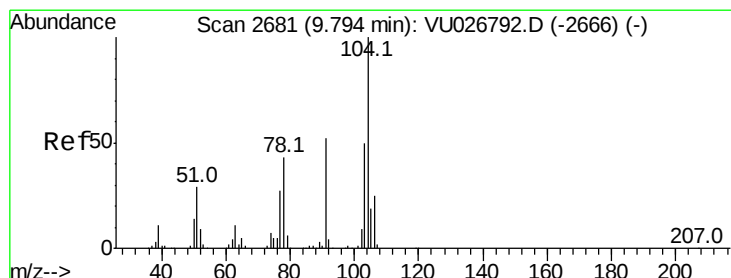
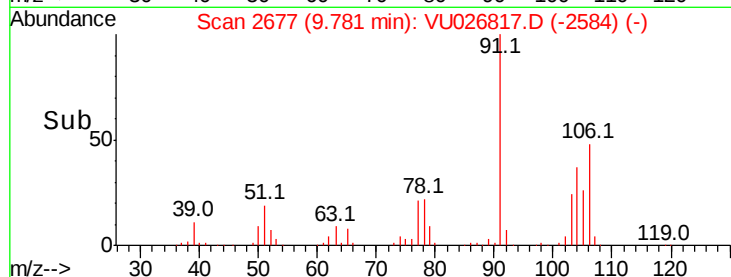
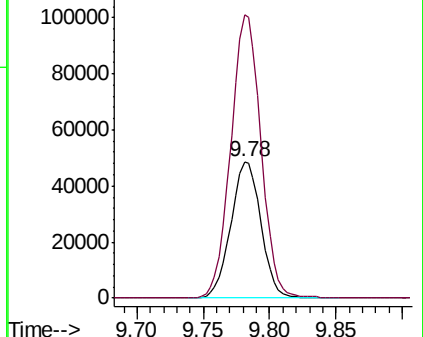
106 100

91 207.7 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.722 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026817.D

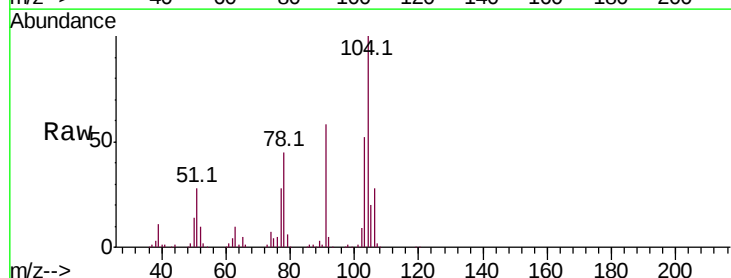
Acq: 17 Sep 2018 11:51

Tgt Ion:104 Resp: 142743

Ion Ratio Lower Upper

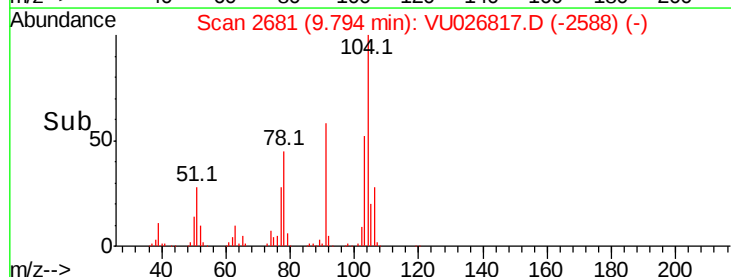
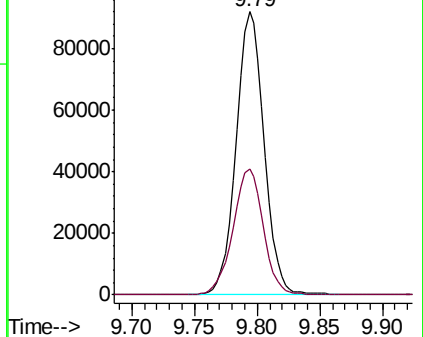
104 100

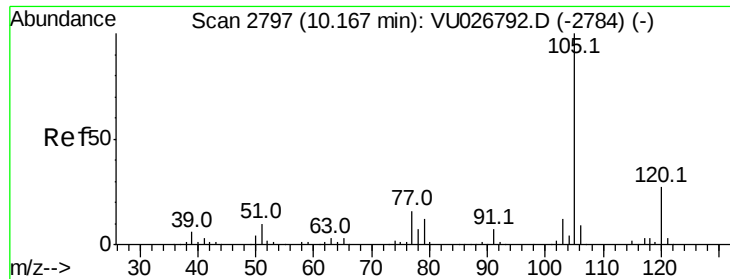
78 44.5 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.324 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

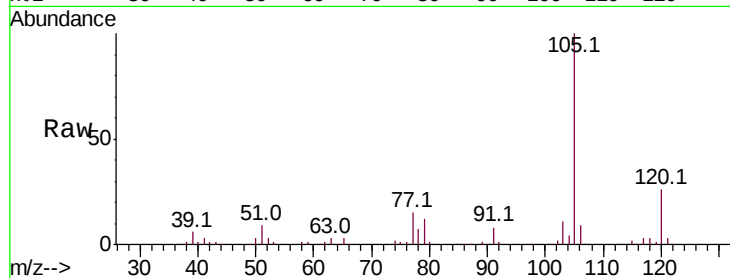
Tot Ion:105 Resp: 197122

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

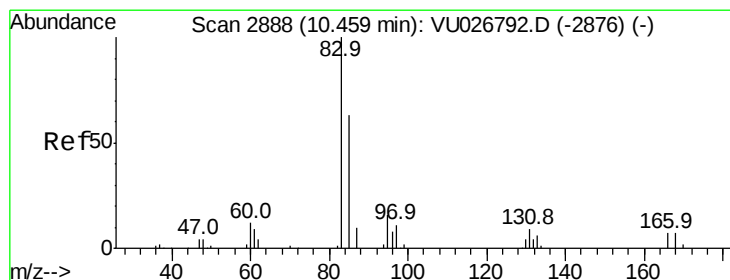
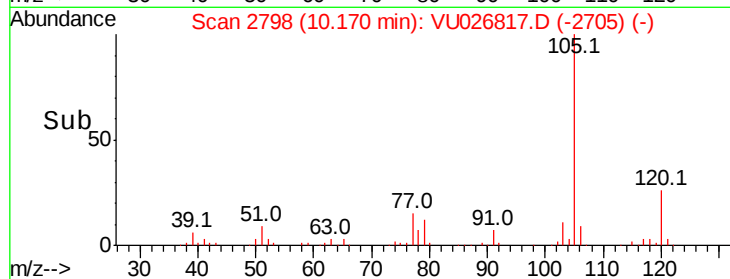
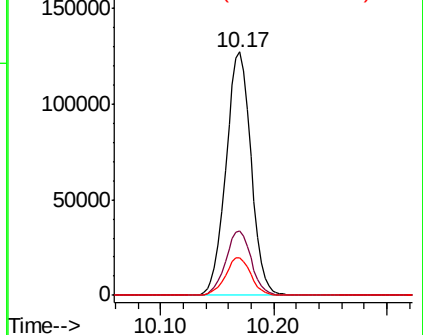
77 15.7 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.347 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

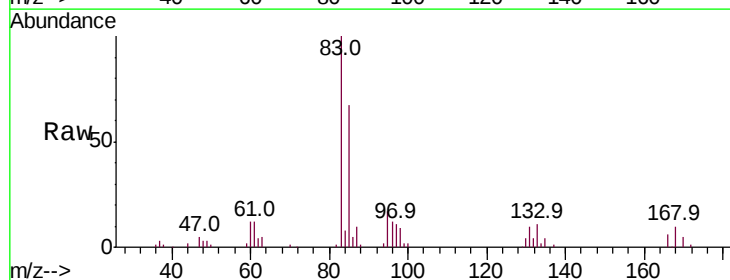
Tgt Ion: 83 Resp: 45663

Ion Ratio Lower Upper

83 100

85 66.6 44.4 82.5

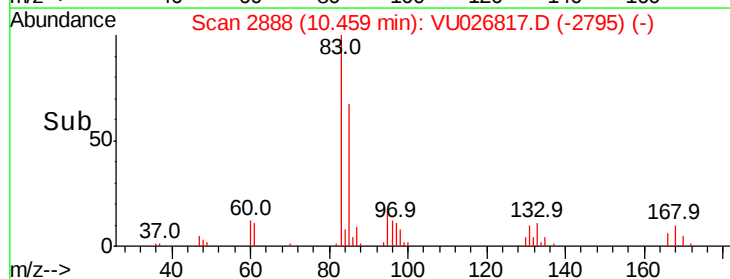
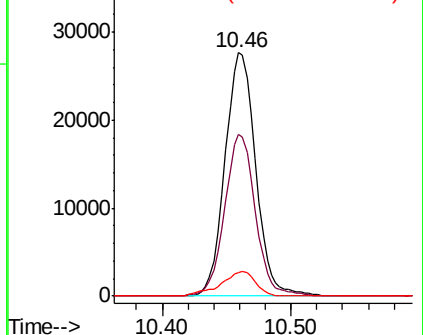
131 9.8 7.2 10.8

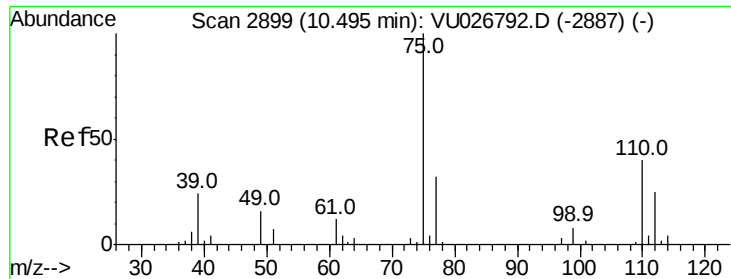


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

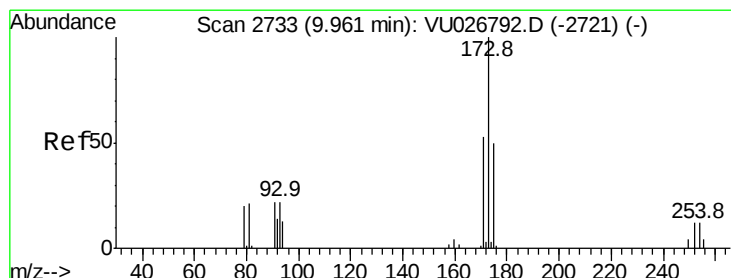
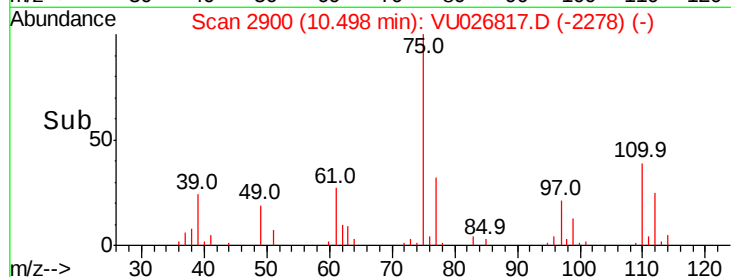
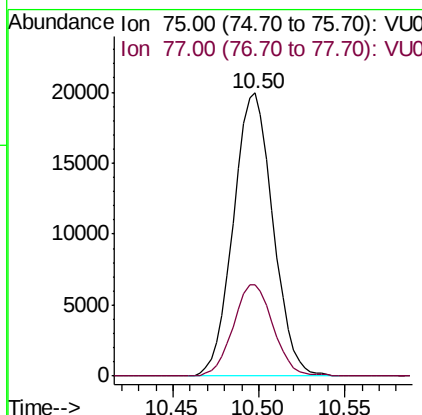
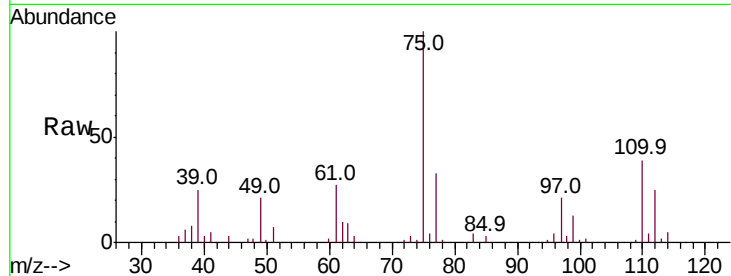




#59
 1,2,3-Trichloropropane
 Concen: 5.342 ug/L
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

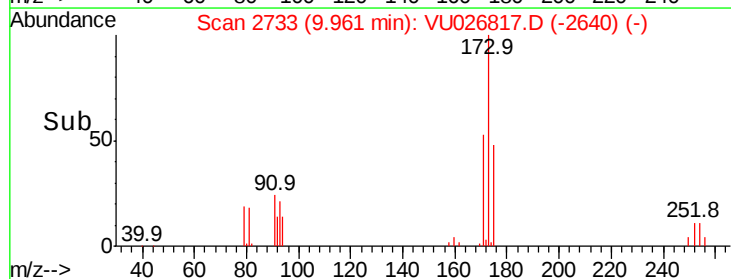
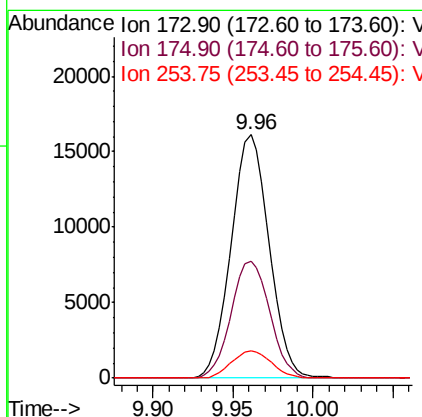
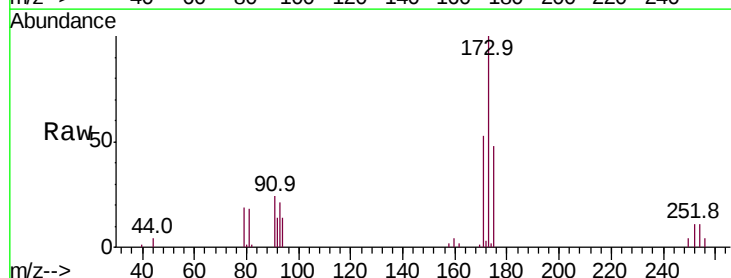
Instrument :
 MSVOA_U
 ClientSampleId :

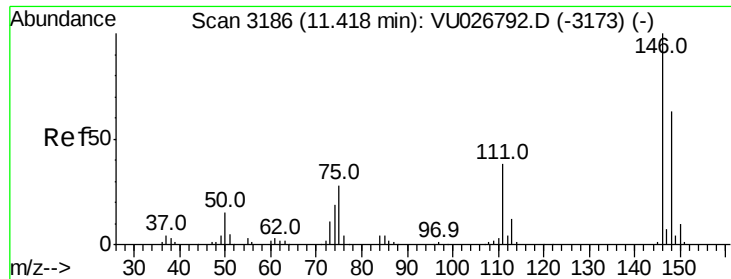
Tot Ion: 75 Resp: 31904
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.9 38.9



#61
 Bromoform
 Concen: 5.228 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Tgt Ion:173 Resp: 26051
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.8 58.2
 254 11.5 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 5.017 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

Instrument :

MSVOA_U

ClientSampled :

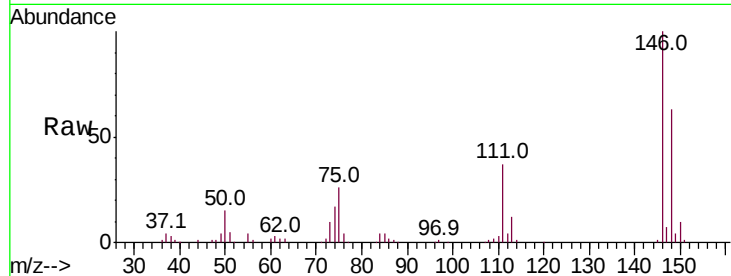
Tot Ion:146 Resp: 94851

Ion Ratio Lower Upper

146 100

111 37.1 26.2 48.6

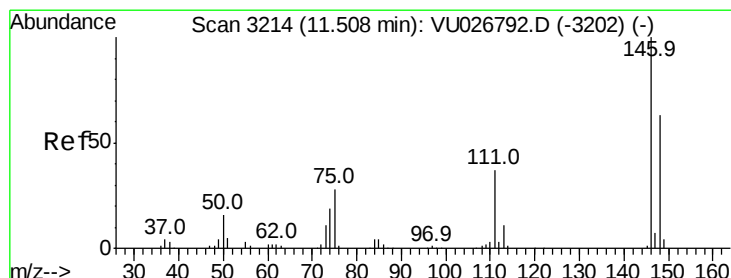
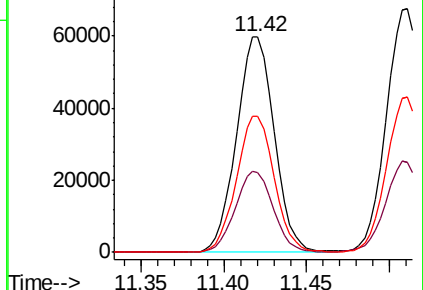
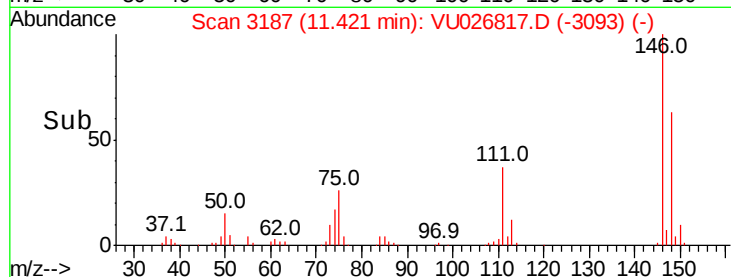
148 63.0 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.904 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

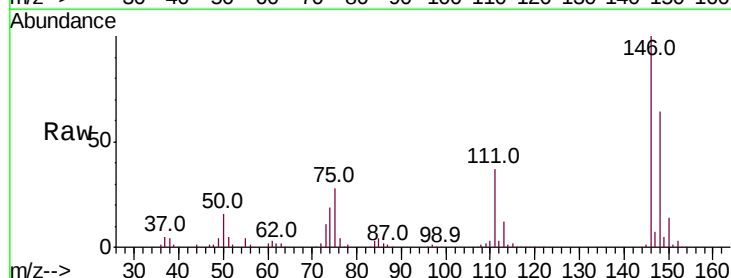
Tgt Ion:146 Resp: 105064

Ion Ratio Lower Upper

146 100

111 36.9 25.3 46.9

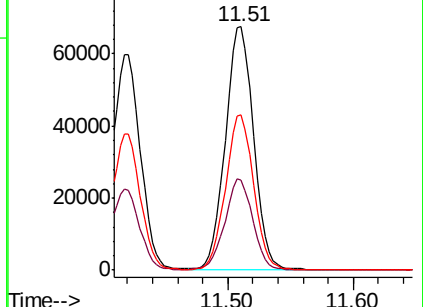
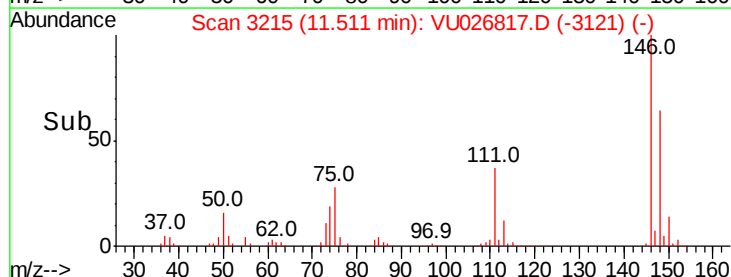
148 63.9 44.5 82.7

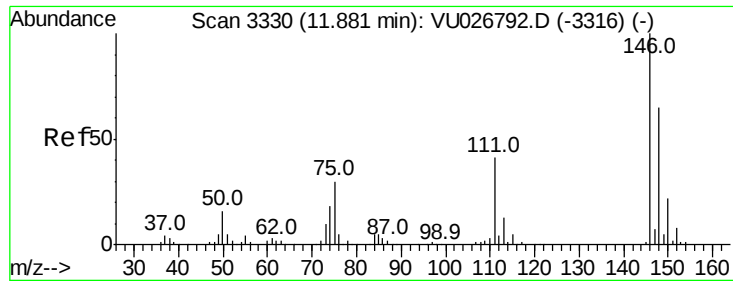


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.226 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

Instrument :

MSVOA_U

ClientSampled :

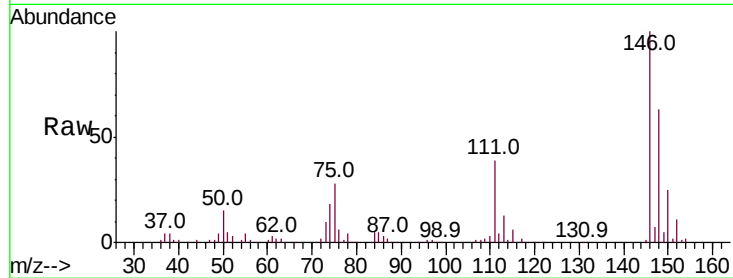
Tot Ion:146 Resp: 103248

Ion Ratio Lower Upper

146 100

111 39.4 32.5 48.7

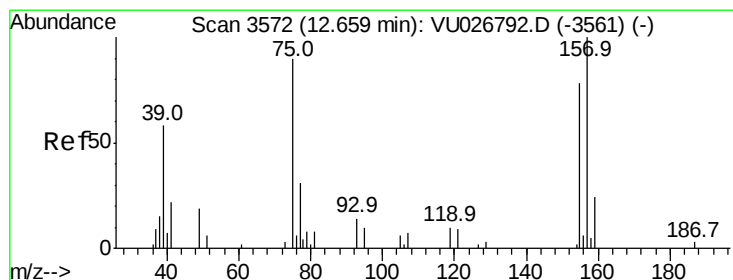
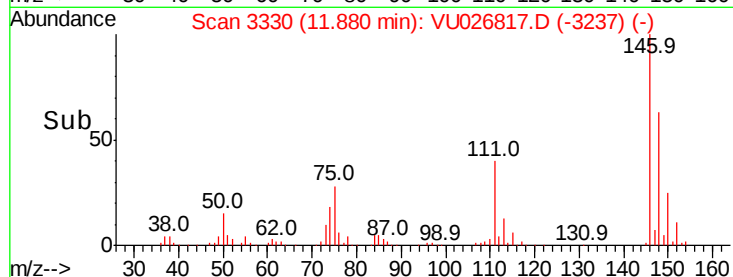
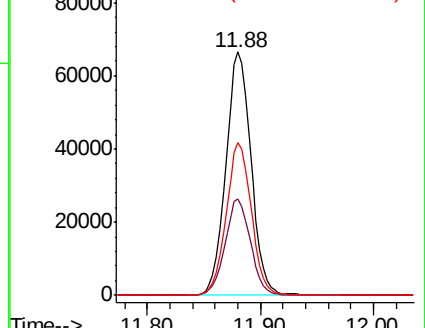
148 62.6 50.5 75.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.210 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

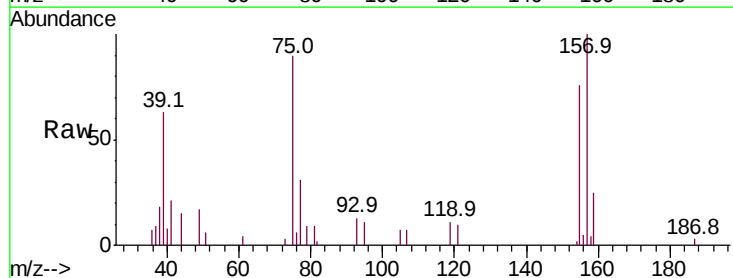
Tgt Ion: 75 Resp: 6533

Ion Ratio Lower Upper

75 100

155 85.0 76.7 115.1

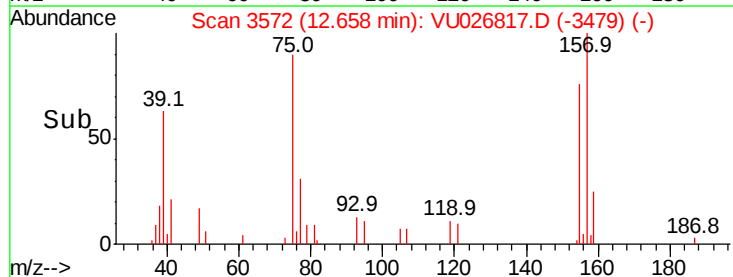
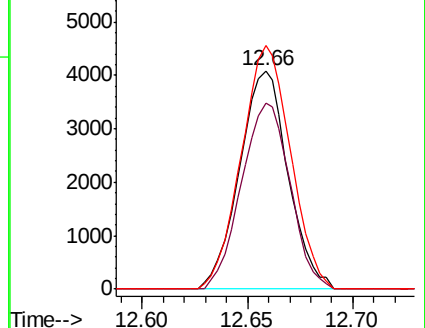
157 111.5 95.1 142.7

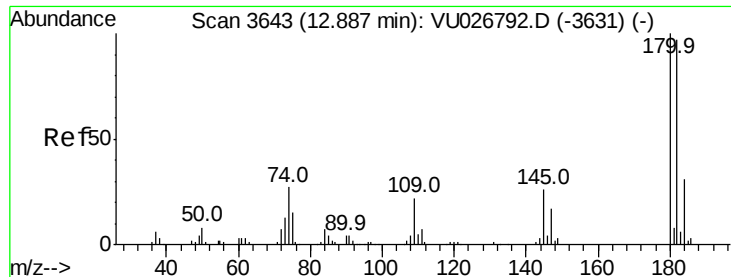


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

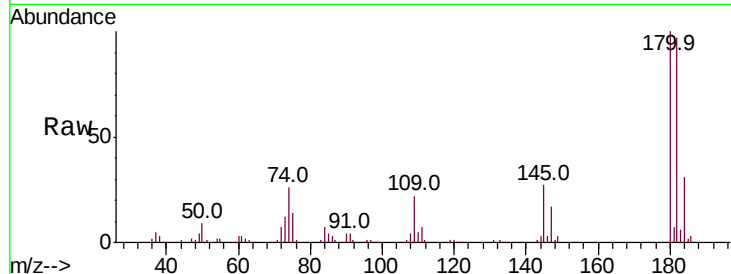




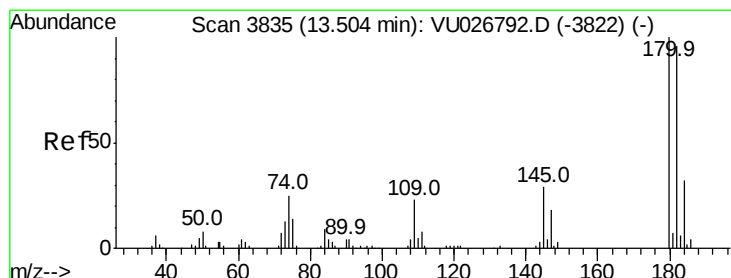
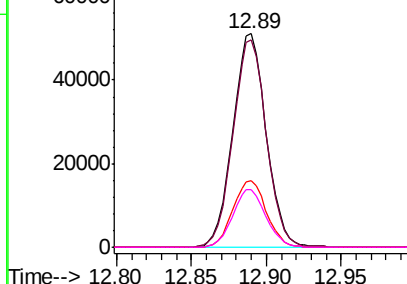
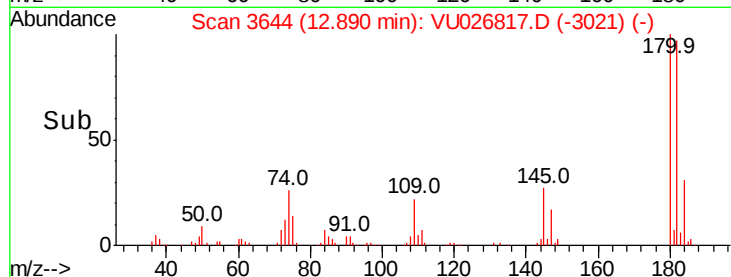
#67
 1,3,5-Trichlorobenzene
 Concen: 5.021 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	79254
Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.8	115.2
184	31.2	24.6	36.8
145	27.0	21.5	32.3

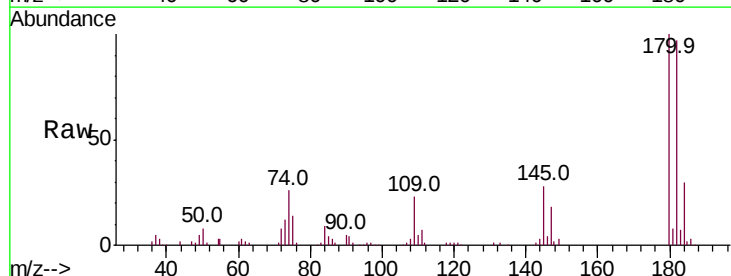


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

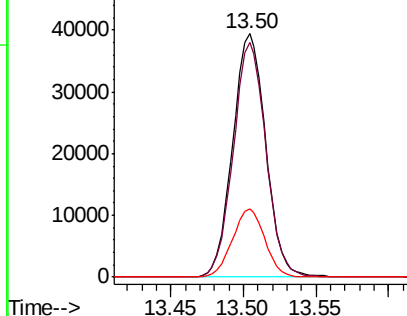
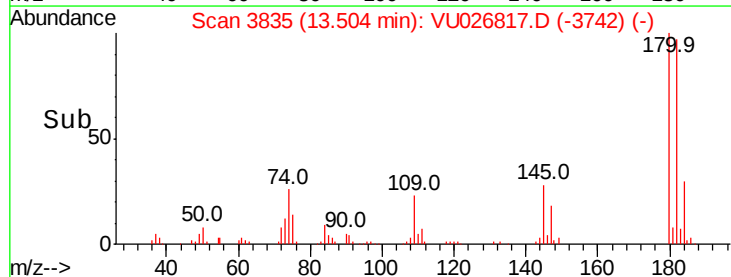


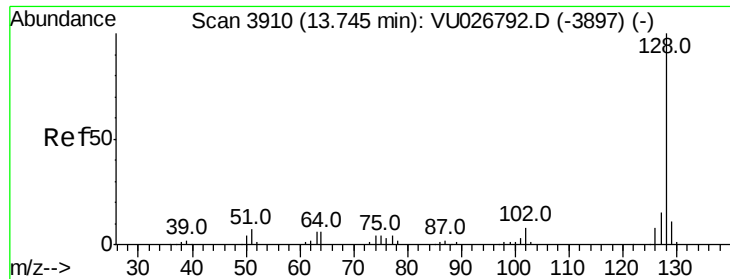
#68
 1,2,4-trichlorobenzene
 Concen: 4.824 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026817.D
 Acq: 17 Sep 2018 11:51

Tgt Ion:	180	Resp:	62186
Ion	Ratio	Lower	Upper
180	100		
182	95.2	74.7	112.1
145	27.6	22.3	33.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.605 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

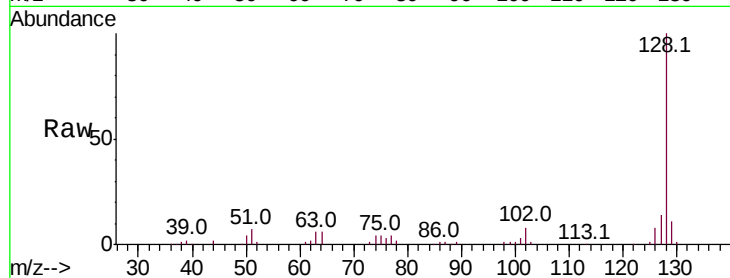
Tot Ion:128 Resp: 85327

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

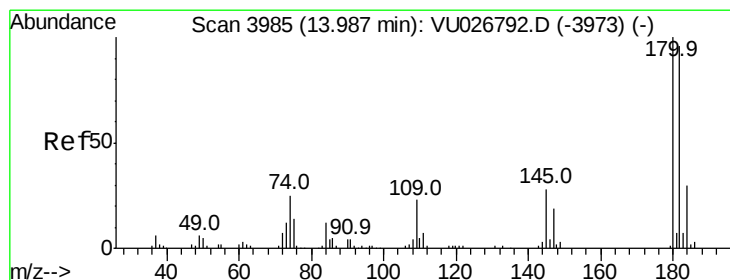
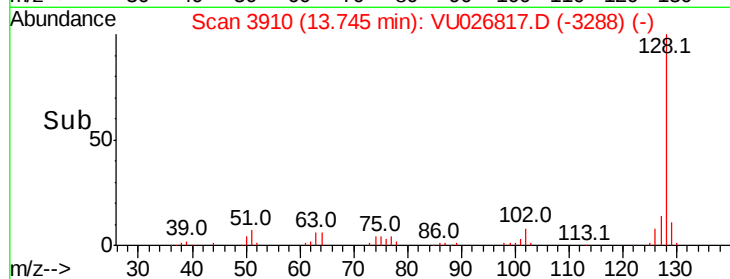
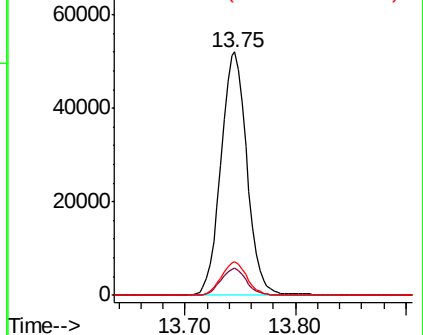
127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.129 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026817.D

Acq: 17 Sep 2018 11:51

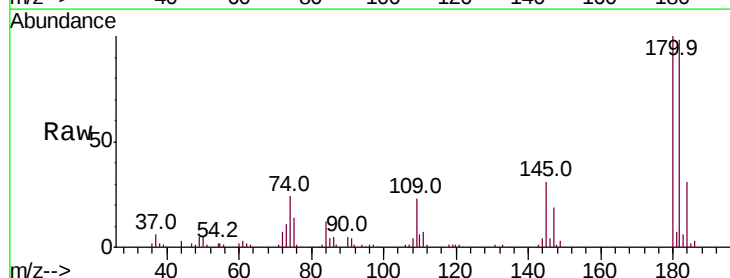
Tgt Ion:180 Resp: 62884

Ion Ratio Lower Upper

180 100

182 97.7 77.0 115.6

145 29.8 23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

